



Наличие и актуальные цены на

**GSM25B15-P1J**

<https://www.mean-well.ru/store/GSM25B15-P1J/>



User's Manual



Video



(V for 5~9V)

BS EN/EN60601-1/-1-11 ANSI/AAMI ES60601-1/-1-11 IEC60601-1/-1-11 TPTC004

## Features

- 2 pole AC inlet IEC320-C8, Class II power unit
- Medical safety approved (2 × MOPP) according to ANSI/AAMI ES60601-1/-1-11, BS EN/EN60601-1/-1-11
- Extremely low leakage current
- No load power consumption<0.1W
- Energy efficiency Level VI and meet CoC version 5 ( except 5~9V for Level V )
- -25~+60°C wide range working temperature
- Protections: Short circuit / Overload / Over voltage
- LED indicator for power on
- Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf) )
- 3 years warranty

## Applications

- Blood glucose meter
- Blood pressure meter
- Nebulizer
- Inhaler
- Portable medical device

## GTIN CODE

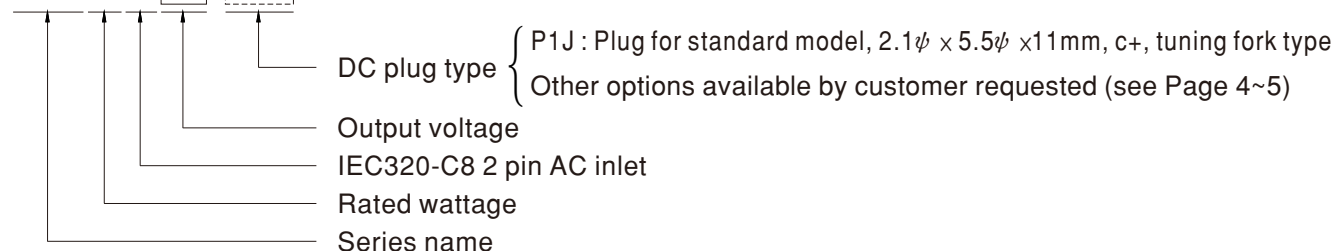
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

## Description

GSM25B is a highly reliable, 25W desktop style single-output green medical adaptor series. This product is equipped with a 2-pin (no FG) standard IEC320-C8 power plug, adopting the input range from 80VAC to 264VAC. The entire series supplies different output voltages between 5VDC and 48VDC that can satisfy the demands for various kinds of miniature medical devices. The circuitry design meets the international medical standards (2 × MOPP), having an ultra low leakage current (<50μA), fitting the medical devices in direct electrical contact with the patients.

With the efficiency up to 88% and the extreme low no-load power consumption below 0.1W, GSM25B is compliant with USA EISA 2007/DoE, Canada NRCAN, Australia and New Zealand MEPS, EU ErP and meet Code of Conduct(CoC) Version 5 ; the supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock. GSM25B is approved with the international medical safety certificates.

## Model Encoding

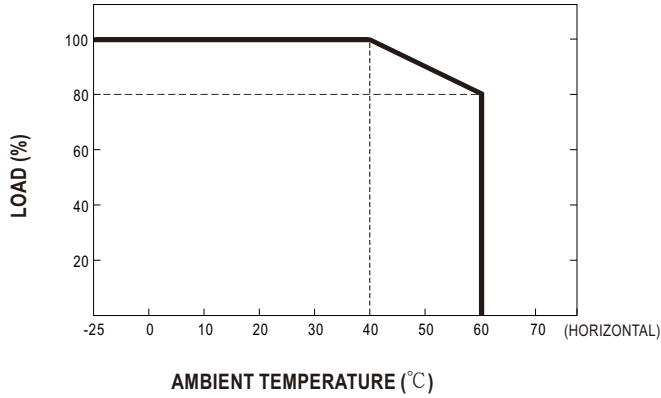
**GSM25 B 05 -P1J**




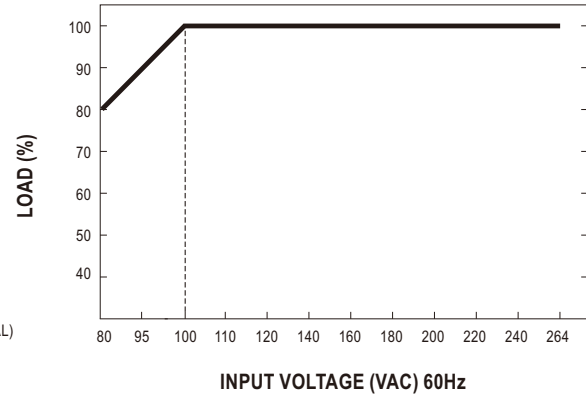
## SPECIFICATION

| ORDER NO.                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GSM25B05-P1J                                                                                                                                                                                                                                                                 | GSM25B07-P1J                                                                     | GSM25B09-P1J | GSM25B12-P1J | GSM25B15-P1J   | GSM25B18-P1J                                                              | GSM25B24-P1J | GSM25B48-P1J |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------|--------------|----------------|---------------------------------------------------------------------------|--------------|--------------|
| OUTPUT                    | SAFETY MODEL NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GSM25B05                                                                                                                                                                                                                                                                     | GSM25B07                                                                         | GSM25B09     | GSM25B12     | GSM25B15       | GSM25B18                                                                  | GSM25B24     | GSM25B48     |
|                           | DC VOLTAGE <span>Note.2</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5V                                                                                                                                                                                                                                                                           | 7.5V                                                                             | 9V           | 12V          | 15V            | 18V                                                                       | 24V          | 48V          |
|                           | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4A                                                                                                                                                                                                                                                                           | 2.93A                                                                            | 2.77A        | 2.08A        | 1.66A          | 1.38A                                                                     | 1.04A        | 0.52A        |
|                           | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0 ~ 4A                                                                                                                                                                                                                                                                       | 0 ~ 2.93A                                                                        | 0 ~ 2.77A    | 0 ~ 2.08A    | 0 ~ 1.66A      | 0 ~ 1.38A                                                                 | 0 ~ 1.04A    | 0 ~ 0.52A    |
|                           | RATED POWER (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20W                                                                                                                                                                                                                                                                          | 22W                                                                              | 25W          | 25W          | 25W            | 25W                                                                       | 25W          | 25W          |
|                           | RIPPLE & NOISE (max.) <span>Note.3</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60mVp-p                                                                                                                                                                                                                                                                      | 80mVp-p                                                                          | 80mVp-p      | 120mVp-p     | 120mVp-p       | 150mVp-p                                                                  | 180mVp-p     | 240mVp-p     |
|                           | VOLTAGE TOLERANCE <span>Note.4</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ±6.0%                                                                                                                                                                                                                                                                        | ±5.0%                                                                            | ±5.0%        | ±3.0%        | ±3.0%          | ±3.0%                                                                     | ±2.0%        | ±2.0%        |
|                           | LINE REGULATION <span>Note.5</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±1.0%                                                                                                                                                                                                                                                                        | ±1.0%                                                                            | ±1.0%        | ±1.0%        | ±1.0%          | ±1.0%                                                                     | ±1.0%        | ±1.0%        |
|                           | LOAD REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ±6.0%                                                                                                                                                                                                                                                                        | ±5.0%                                                                            | ±5.0%        | ±3.0%        | ±3.0%          | ±3.0%                                                                     | ±2.0%        | ±2.0%        |
|                           | SETUP, RISE TIME <span>Note.6</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500ms, 30ms / 230VAC      1000ms, 30ms / 115VAC at full load                                                                                                                                                                                                                 |                                                                                  |              |              |                |                                                                           |              |              |
| HOLD UP TIME (Typ.)       | 16ms / 230VAC      16ms / 115VAC at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                              |                                                                                  |              |              |                |                                                                           |              |              |
| INPUT                     | VOLTAGE RANGE <span>Note.7</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 80 ~ 264VAC    113 ~ 370VDC                                                                                                                                                                                                                                                  |                                                                                  |              |              |                |                                                                           |              |              |
|                           | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 47 ~ 63Hz                                                                                                                                                                                                                                                                    |                                                                                  |              |              |                |                                                                           |              |              |
|                           | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 80%                                                                                                                                                                                                                                                                          | 83%                                                                              | 84%          | 86%          | 86%            | 86%                                                                       | 87%          | 88%          |
|                           | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.7A / 115VAC      0.35A / 230VAC                                                                                                                                                                                                                                            |                                                                                  |              |              |                |                                                                           |              |              |
|                           | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 55A / 230VAC      30A / 115VAC                                                                                                                                                                                                                                               |                                                                                  |              |              |                |                                                                           |              |              |
|                           | LEAKAGE CURRENT(max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Touch current < 50 $\mu$ A/264VAC                                                                                                                                                                                                                                            |                                                                                  |              |              |                |                                                                           |              |              |
| PROTECTION                | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 105 ~ 170% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                      |                                                                                  |              |              |                |                                                                           |              |              |
|                           | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5.25 ~ 7.5V                                                                                                                                                                                                                                                                  | 7.88 ~ 10.5V                                                                     | 9.45 ~ 13V   | 12.6 ~ 17.2V | 15.75 ~ 20.25V | 18.9 ~ 25.2V                                                              | 25.2 ~ 32.4V | 50.4 ~ 64.8V |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                                              |                                                                                  |              |              |                |                                                                           |              |              |
| ENVIRONMENT               | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -25 ~ +60℃ (Refer to "Derating Curve")                                                                                                                                                                                                                                       |                                                                                  |              |              |                |                                                                           |              |              |
|                           | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20% ~ 90% RH non-condensing                                                                                                                                                                                                                                                  |                                                                                  |              |              |                |                                                                           |              |              |
|                           | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40 ~ +85℃, 10 ~ 95% RH non-condensing                                                                                                                                                                                                                                       |                                                                                  |              |              |                |                                                                           |              |              |
|                           | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ±0.03% / °C (0~40℃)                                                                                                                                                                                                                                                          |                                                                                  |              |              |                |                                                                           |              |              |
|                           | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                                                                                                                                      |                                                                                  |              |              |                |                                                                           |              |              |
| SAFETY & EMC<br>(Note. 8) | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IEC 60601-1:2005+A1+A2; IEC 60601-1-11:2015+A1, TUV BS EN/ EN 60601-1:2006+A1+A12+A2; BS EN/ EN 60601-1-11:2015+A1<br>ANSI/AAMI ES60601-1:2005+A2; ANSI/AAMI HA60601-1-11+A1, CAN/CSA C22.2 No. 60601-1:2014+A2;<br>CSA C22.2 NO. 60601-1-11:2015+A1, EAC TP TC 004 approved |                                                                                  |              |              |                |                                                                           |              |              |
|                           | ISOLATION LEVEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Primary-Secondary: 2xMOPP                                                                                                                                                                                                                                                    |                                                                                  |              |              |                |                                                                           |              |              |
|                           | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | I/P-O/P:4KVAC                                                                                                                                                                                                                                                                |                                                                                  |              |              |                |                                                                           |              |              |
|                           | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH                                                                                                                                                                                                                                    |                                                                                  |              |              |                |                                                                           |              |              |
|                           | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Parameter                                                                                                                                                                                                                                                                    | Standard                                                                         |              |              |                | Test Level / Note                                                         |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Conducted emission                                                                                                                                                                                                                                                           | BS EN/EN55011 (CISPR11), FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B),MSIP KN32 |              |              |                | Class B                                                                   |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Radiated emission                                                                                                                                                                                                                                                            | BS EN/EN55011 (CISPR11), FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B),MSIP KN32 |              |              |                | Class B                                                                   |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Harmonic current                                                                                                                                                                                                                                                             | BS EN/EN61000-3-2                                                                |              |              |                | Class A                                                                   |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Voltage flicker                                                                                                                                                                                                                                                              | BS EN/EN61000-3-3                                                                |              |              |                | -----                                                                     |              |              |
|                           | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BS EN/EN60601-1-2, BS EN/EN61204-3                                                                                                                                                                                                                                           |                                                                                  |              |              |                |                                                                           |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Parameter                                                                                                                                                                                                                                                                    | Standard                                                                         |              |              |                | Test Level / Note                                                         |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ESD                                                                                                                                                                                                                                                                          | BS EN/EN61000-4-2                                                                |              |              |                | Level 4, 15KV air ; Level 4, 8KV contact                                  |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RF field susceptibility                                                                                                                                                                                                                                                      | BS EN/EN61000-4-3                                                                |              |              |                | Level 3, 10V/m( 80MHz~2.7GHz )<br>Table 9, 9~28V/m( 385MHz~5.78GHz )      |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EFT bursts                                                                                                                                                                                                                                                                   | BS EN/EN61000-4-4                                                                |              |              |                | Level 3, 2KV                                                              |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Surge susceptibility                                                                                                                                                                                                                                                         | BS EN/EN61000-4-5                                                                |              |              |                | Level 3, 1KV/Line-Line                                                    |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Conducted susceptibility                                                                                                                                                                                                                                                     | BS EN/EN61000-4-6                                                                |              |              |                | Level 3, 10V                                                              |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Magnetic field immunity                                                                                                                                                                                                                                                      | BS EN/EN61000-4-8                                                                |              |              |                | Level 4, 30A/m                                                            |              |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Voltage dip, interruption                                                                                                                                                                                                                                                    | BS EN/EN61000-4-11                                                               |              |              |                | 100% dip 1 periods, 30% dip 25 periods,<br>100% interruptions 250 periods |              |              |
| OTHERS                    | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3887.1K hrs min.    Telcordia SR-332 (Bellcore) ; 791.9K hrs min.    MIL-HDBK-217F (25℃)                                                                                                                                                                                     |                                                                                  |              |              |                |                                                                           |              |              |
|                           | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 79*54*33mm (L*W*H)                                                                                                                                                                                                                                                           |                                                                                  |              |              |                |                                                                           |              |              |
|                           | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 235g ; 60pcs / 15.1Kg / CARTON                                                                                                                                                                                                                                               |                                                                                  |              |              |                |                                                                           |              |              |
| CONNECTOR                 | PLUG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | See page 4~5 ; Other type available by customer requested                                                                                                                                                                                                                    |                                                                                  |              |              |                |                                                                           |              |              |
|                           | CABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | See page 4~5 ; Other type available by customer requested                                                                                                                                                                                                                    |                                                                                  |              |              |                |                                                                           |              |              |
| NOTE                      | 1. All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient.<br>2. DC voltage: The output voltage set at point measure by plug terminal & 50% load.<br>3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1 $\mu$ F & 47 $\mu$ F capacitor.<br>4. Tolerance: includes set up tolerance, line regulation, load regulation.<br>5. Line regulation is measured from low line to high line at rated load.<br>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.<br>7. Derating may be needed under low input voltage. Please check the derating curve for more details.<br>8. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."<br>(as available on <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a> )<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                                                                                                                                                                                                                              |                                                                                  |              |              |                |                                                                           |              |              |

## Derating Curve



## Static Characteristics

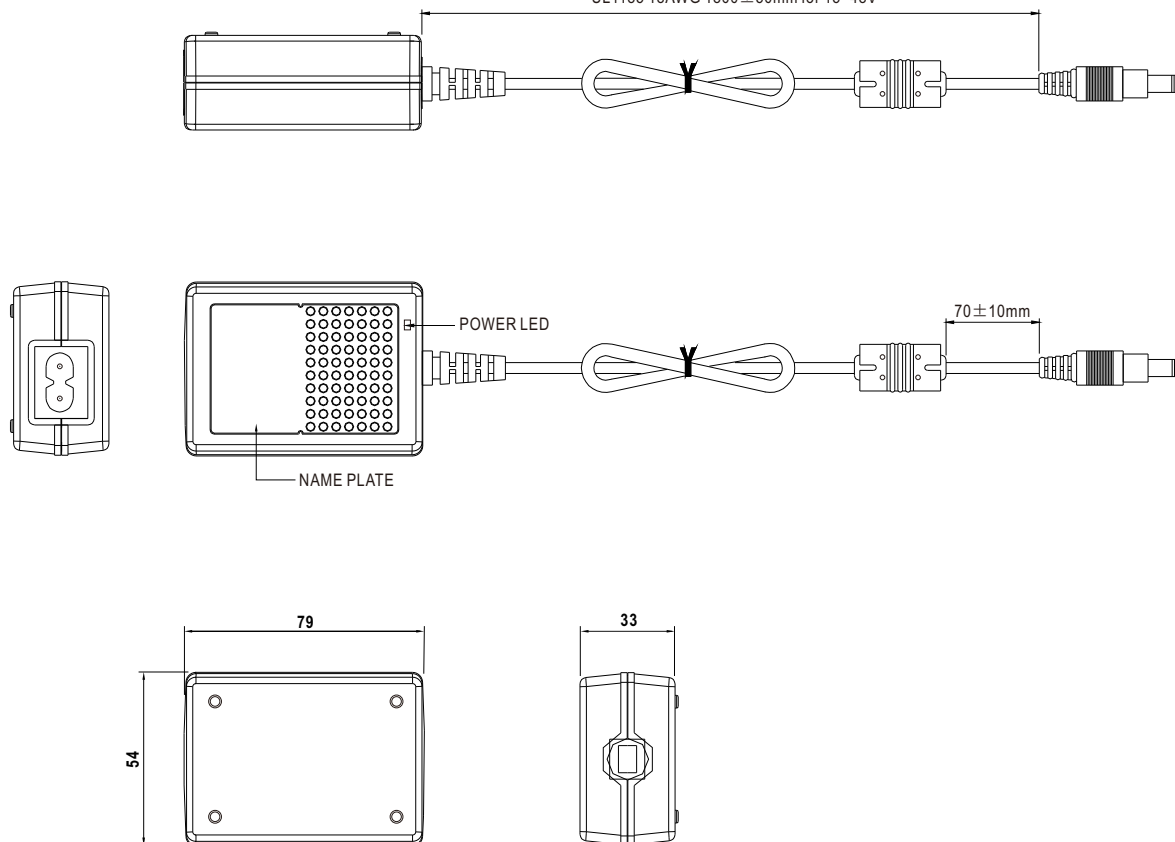


## Mechanical Specification

(Unit: mm, tolerance  $\pm 1$ mm)

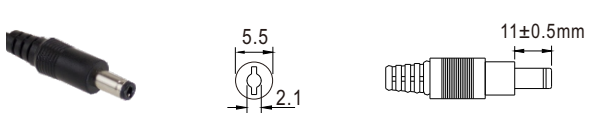
Case No. GSM36B

UL1185 16AWG 1200  $\pm$  50mm for 5~9V  
 UL1185 16AWG 1800  $\pm$  50mm for 12V  
 UL1185 18AWG 1800  $\pm$  50mm for 15~48V



### ■ DC output plug

◎ Standard plug: P1J

| P1J                                                                               | Pin Assignment                                                                                     |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  |                 |
|                                                                                   | Outside  Inside |

◎ DC plug changeable through:

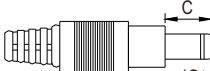
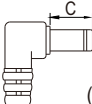
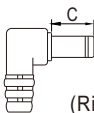
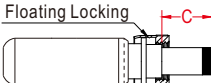
- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

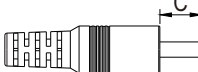
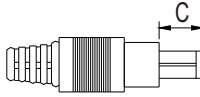
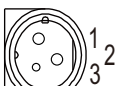
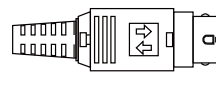
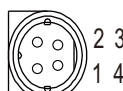
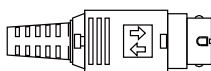
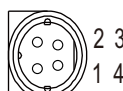
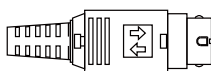
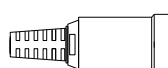
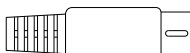
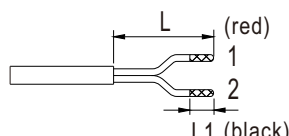
Please refer to below table and online selection guide : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf)

Example quick adapter accessory:



◎ Optional DC plug: (Available in customized cable or quick adapter)

| Tuning Fork Style                                                                                                                                                          |                                                                                                                                               | Type No.   | A<br>OD | B<br>ID | C<br>L | Quick Adapter<br>Accessory               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|--------|------------------------------------------|
| <br> | <br>(Straight)                                             | P1I        | 5.5     | 2.1     | 9.5    | Available<br>(Current rating: 7.5A max.) |
|                                                                                                                                                                            |                                                                                                                                               | P1L        | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P1M        | 5.5     | 2.5     | 11.0   |                                          |
|                                                                                                                                                                            | <br>(Right-angled)                                         | P1IR       | 5.5     | 2.1     | 9.5    |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P1JR       | 5.5     | 2.1     | 11.0   |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P1LR       | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P1MR       | 5.5     | 2.5     | 11.0   |                                          |
| Barrel Style                                                                                                                                                               |                                                                                                                                               | Type No.   | A<br>OD | B<br>ID | C<br>L | None                                     |
| <br> | <br>(Straight)                                             | P2I        | 5.5     | 2.1     | 9.5    |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2J        | 5.5     | 2.1     | 11.0   |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2L        | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                                                                                                            | <br>(Right-angled)                                         | P2M        | 5.5     | 2.5     | 11.0   |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2IR       | 5.5     | 2.1     | 9.5    |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2JR       | 5.5     | 2.1     | 11.0   |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2LR       | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2MR       | 5.5     | 2.5     | 11.0   |                                          |
| Lock Style                                                                                                                                                                 |                                                                                                                                               | Type No.   | A<br>OD | B<br>ID | C<br>L |                                          |
| <br> | <br>Floating Locking<br>SWITCHCRAFT original or equivalent | P2S(S761K) | 5.53    | 2.03    | 12.06  |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2K(761K)  | 5.53    | 2.54    | 12.06  |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2C(S760K) | 5.53    | 2.03    | 9.52   |                                          |
|                                                                                                                                                                            |                                                                                                                                               | P2D(760K)  | 5.53    | 2.54    | 9.52   |                                          |
|                                                                                                                                                                            |                                                                                                                                               |            |         |         |        |                                          |

| Min. Pin Style                                                                                                                                                                                                                                                                                                                                   | Type No.    | A<br>OD        | B<br>ID | C<br>L | Quick Adapter<br>Accessory             |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|---------|--------|----------------------------------------|------------------------------------------|
| <br><br><br>EIAJ equivalent                                                                   | P3A         | 2.35           | 0.7     | 11.0   | Available<br>(Current rating: 5A max.) |                                          |
|                                                                                                                                                                                                                                                                                                                                                  | P3B         | 4.0            | 1.7     | 11.0   |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  | P3C         | 4.75           | 1.7     | 11.0   |                                        |                                          |
| Center Pin Style                                                                                                                                                                                                                                                                                                                                 | Type No.    | A<br>OD        | B<br>ID | C<br>L | D<br>Center Pin                        | Available<br>(Current rating: 7.5A max.) |
| <br><br><br>EIAJ equivalent                                                                   | P4A         | 5.5            | 3.4     | 11.0   | 1.0                                    |                                          |
|                                                                                                                                                                                                                                                                                                                                                  | P4B         | 6.5            | 4.4     | 11.0   | 1.4                                    |                                          |
|                                                                                                                                                                                                                                                                                                                                                  | P4C         | 7.4            | 5.1     | 11.0   | 0.6                                    |                                          |
| Min. DIN 3 Pin with Lock (male)                                                                                                                                                                                                                                                                                                                  | Type No.    | Pin Assignment |         |        |                                        | Available<br>(Current rating: 7.5A max.) |
| <br><br><br>KYCON KPPX-3P equivalent                                                          | R6B         | PIN No.        | Output  |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 1              | +Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 2              | -Vo     |        |                                        |                                          |
| <br><br><br>KYCON KPPX-4P equivalent                                                    | R7B         | Pin Assignment |         |        |                                        | Available<br>(Current rating: 7.5A max.) |
|                                                                                                                                                                                                                                                                                                                                                  |             | PIN No.        | Output  |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 1              | +Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 2              | -Vo     |        |                                        |                                          |
| <br><br><br>KYCON KPPX-4P equivalent                                                    | R7B         | 3              | -Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 4              | +Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | Pin Assignment |         |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | PIN No.        | Output  |        |                                        |                                          |
| <br><br><br>KYCON KPJX-CM-4S equivalent                                                 | R7BF        | 1              | +Vo     |        |                                        | None                                     |
|                                                                                                                                                                                                                                                                                                                                                  |             | 2              | -Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 3              | -Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 4              | +Vo     |        |                                        |                                          |
| DIN 5 Pin (male)                                                                                                                                                                                                                                                                                                                                 | Type No.    | Pin Assignment |         |        |                                        | Available<br>(Current rating: 7.5A max.) |
| <br><br>                                                                                | R1B         | PIN No.        | Output  |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 1              | -Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 2              | -Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 3              | +Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 4              | -Vo     |        |                                        |                                          |
| <br><br>Length of Land L1 by request<br>(MW's standard length, L: 25 mm, L1: 5 mm)<br>( NOTE: The wire color is for reference only,<br>please refer to the actual product) | by customer | Pin Assignment |         |        |                                        | None                                     |
|                                                                                                                                                                                                                                                                                                                                                  |             | PIN No.        | Output  |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 1              | +Vo     |        |                                        |                                          |
|                                                                                                                                                                                                                                                                                                                                                  |             | 2              | -Vo     |        |                                        |                                          |

# Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>