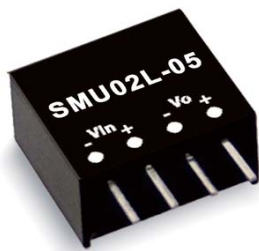




Наличие и актуальные цены на

**SMU02M-15**

<https://www.mean-well.ru/store/SMU02M-15/>



#### ■ Features :

- SIP package
- Industry standard pinout
- 1500VDC I/O isolation
- Built-in EMI filter without external components
- Cooling by free air convection
- Non-conductive plastic case
- 100% burn-in test
- Low cost / High reliability
- 2 years warranty

#### ■ GTIN CODE

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

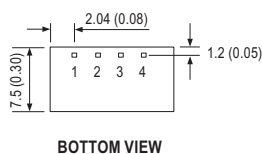
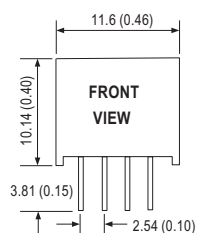


#### SPECIFICATION

| ORDER NO.    |                                             | SMU02L-05                                                                                 | SMU02M-05    | SMU02N-05    | SMU02L-12  | SMU02M-12    | SMU02N-12    | SMU02L-15  | SMU02M-15    | SMU02N-15    |       |
|--------------|---------------------------------------------|-------------------------------------------------------------------------------------------|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|-------|
| OUTPUT       | DC VOLTAGE                                  | 5V                                                                                        |              |              | 12V        |              |              | 15V        |              |              |       |
|              | CURRENT RANGE                               | 80 ~ 400mA                                                                                |              |              | 33 ~ 167mA |              |              | 27 ~ 133mA |              |              |       |
|              | RATED POWER                                 | 2W                                                                                        |              |              |            |              |              |            |              |              |       |
|              | RIPPLE & NOISE (max.) <small>Note.2</small> | 50mVp-p                                                                                   | 50mVp-p      | 50mVp-p      | 60mVp-p    | 60mVp-p      | 60mVp-p      | 80mVp-p    | 80mVp-p      | 80mVp-p      |       |
|              | LINE REGULATION <small>Note.3</small>       | ±1.2% for 1% input variation                                                              |              |              |            |              |              |            |              |              |       |
|              | LOAD REGULATION <small>Note.4</small>       | ±8.0%                                                                                     |              |              |            |              |              |            |              |              |       |
|              | VOLTAGE ACCURACY                            | ±2.0%                                                                                     |              |              |            |              |              |            |              |              |       |
|              | SWITCHING FREQUENCY(Typ.)                   | 100KHz                                                                                    |              |              |            |              |              |            |              |              |       |
| INPUT        | VOLTAGE RANGE                               | 4.5 ~ 5.5V                                                                                | 10.8 ~ 13.2V | 21.6 ~ 26.4V | 4.5 ~ 5.5V | 10.8 ~ 13.2V | 21.6 ~ 26.4V | 4.5 ~ 5.5V | 10.8 ~ 13.2V | 21.6 ~ 26.4V |       |
|              | EFFICIENCY(Typ.)                            | 79%                                                                                       | 82%          | 80%          | 83%        | 85%          | 84%          | 84%        | 85%          | 84%          |       |
|              | NORMAL VOLTAGE                              | 5V                                                                                        | 12V          | 24V          | 5V         | 12V          | 24V          | 5V         | 12V          | 24V          |       |
|              | INPUT CURRENT                               | Full load                                                                                 | 500mA        | 210mA        | 107mA      | 500mA        | 210mA        | 107mA      | 500mA        | 210mA        | 107mA |
|              |                                             | No load                                                                                   | 50mA         | 25mA         | 15mA       | 50mA         | 25mA         | 15mA       | 50mA         | 25mA         | 15mA  |
|              | PROTECTION (FUSE RECOMMENDED)               | 500mA                                                                                     | 250mA        | 150mA        | 500mA      | 250mA        | 150mA        | 500mA      | 250mA        | 150mA        |       |
|              | FILTER                                      | Capacitor type                                                                            |              |              |            |              |              |            |              |              |       |
| PROTECTION   | OVERLOAD                                    | Momentary                                                                                 |              |              |            |              |              |            |              |              |       |
|              |                                             | Protection type : Broken                                                                  |              |              |            |              |              |            |              |              |       |
|              | SHORT CIRCUIT                               | Momentary                                                                                 |              |              |            |              |              |            |              |              |       |
|              |                                             | Protection type : Broken                                                                  |              |              |            |              |              |            |              |              |       |
| ENVIRONMENT  | WORKING TEMP.                               | -40 ~ +85℃ (Refer to "Derating Curve")                                                    |              |              |            |              |              |            |              |              |       |
|              | WORKING HUMIDITY                            | 20% ~ 90% RH non-condensing                                                               |              |              |            |              |              |            |              |              |       |
|              | STORAGE TEMP., HUMIDITY                     | -55 ~ +125℃, 10 ~ 95% RH                                                                  |              |              |            |              |              |            |              |              |       |
|              | TEMP. COEFFICIENT                           | ±0.05% /℃ (0 ~ 50℃)                                                                       |              |              |            |              |              |            |              |              |       |
|              | VIBRATION                                   | 10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes                  |              |              |            |              |              |            |              |              |       |
| SAFETY & EMC | SAFETY STANDARDS                            | EAC TP TC 020/2011 approved                                                               |              |              |            |              |              |            |              |              |       |
|              | WITHSTAND VOLTAGE                           | I/P-O/P: 1.5KVDC                                                                          |              |              |            |              |              |            |              |              |       |
|              | ISOLATION RESISTANCE                        | I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH                                                |              |              |            |              |              |            |              |              |       |
|              | ISOLATION CAPACITANCE                       | 80pF max.                                                                                 |              |              |            |              |              |            |              |              |       |
|              | EMI RADIATION                               | Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020                   |              |              |            |              |              |            |              |              |       |
|              | EMS IMMUNITY                                | Compliance to BS EN/EN61000-4-2,3,4,5,6,8 light industry level, criteria A, EAC TP TC 020 |              |              |            |              |              |            |              |              |       |
| OTHERS       | MTBF                                        | 100Khrs min. MIL-HDBK-217F(25℃)                                                           |              |              |            |              |              |            |              |              |       |
|              | DIMENSION (L*W*H)                           | 11.6*7.5*10.14mm or 0.46**0.30**0.40" inch                                                |              |              |            |              |              |            |              |              |       |
|              | PACKING                                     | 1.3g ; 42pcs/per tube, 7560pcs/180 tube/per carton                                        |              |              |            |              |              |            |              |              |       |

#### ■ Mechanical Specification

Unit: mm (inch)

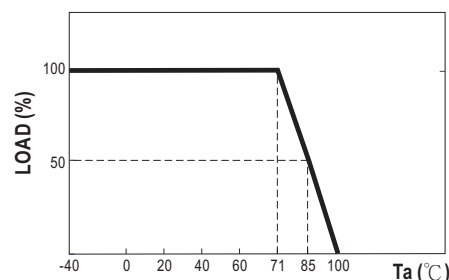


Pin Size is 0.50\*0.30mm(0.02\*\*0.01")

#### ■ Pin Configuration

| Pin No. | Output |
|---------|--------|
| 1       | -Vin   |
| 2       | +Vin   |
| 3       | -Vout  |
| 4       | +Vout  |

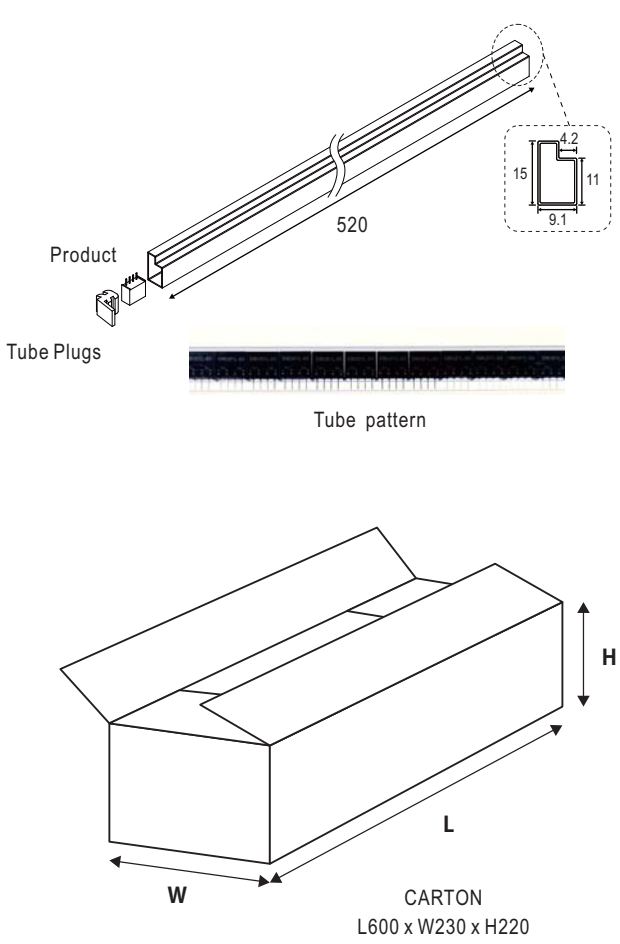
#### ■ Derating Curve



#### NOTE

1. All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
  2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
  3. Line regulation is measured from low line to high line at rated load.
  4. Load regulation is measured from 20% to 100% rated load.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

### ■ Packing

| Standard Tube Packing                                                                                                                                                                         | MPQ<br>Per Tube<br>(PCS) | One Tube<br>G.W. | Max. Q'TY/<br>Carton(PCS) | One Carton<br>G.W. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|---------------------------|--------------------|
| <p>Unit : mm</p>  <p>Product</p> <p>Tube Plugs</p> <p>Tube pattern</p> <p>CARTON<br/>L600 x W230 x H220</p> | 42                       | 90g              | 7560                      | 17Kg               |

### ■ Installation Manual

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