



Наличие и актуальные цены на

**SPA01C-05**

<https://www.mean-well.ru/store/SPA01C-05/>



#### Features :

- Single in line package
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in EMI filter without external components
- Protections: Short circuit / Overload
- Cooling by free air convection
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty

#### GTIN CODE

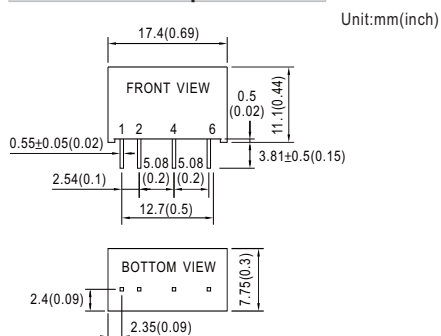
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



#### SPECIFICATION

| ORDER NO.               |                                             | SPA01A-05   | SPA01B-05                                                                                 | SPA01C-05 | SPA01A-12 | SPA01B-12 | SPA01C-12 | SPA01A-15 | SPA01B-15 | SPA01C-15 |     |
|-------------------------|---------------------------------------------|-------------|-------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| OUTPUT                  | DC VOLTAGE                                  | 5V          |                                                                                           |           | 12V       |           |           | 15V       |           |           |     |
|                         | CURRENT RANGE                               | 20 ~ 200mA  |                                                                                           |           | 8 ~ 83mA  |           |           | 6 ~ 67mA  |           |           |     |
|                         | RATED POWER                                 | 1W          |                                                                                           |           |           |           |           |           |           |           |     |
|                         | RIPPLE & NOISE (max.) <small>Note.2</small> | 60mVp-p     |                                                                                           |           | 80mVp-p   |           |           | 80mVp-p   |           |           |     |
|                         | LINE REGULATION <small>Note.3</small>       | ±0.5%       |                                                                                           |           |           |           |           |           |           |           |     |
|                         | LOAD REGULATION <small>Note.4</small>       | ±0.5%       |                                                                                           |           |           |           |           |           |           |           |     |
|                         | VOLTAGE ACCURACY                            | ±2.0%       |                                                                                           |           |           |           |           |           |           |           |     |
|                         | SWITCHING FREQUENCY                         | 100KHz min. |                                                                                           |           |           |           |           |           |           |           |     |
| INPUT                   | VOLTAGE RANGE                               |             | A: 9 ~ 18VDC   B: 18 ~ 36VDC   C: 36 ~ 75VDC                                              |           |           |           |           |           |           |           |     |
|                         | EFFICIENCY (Typ.)                           |             | 77%                                                                                       | 77%       | 77%       | 78%       | 78%       | 78%       | 79%       | 79%       | 79% |
|                         | DC CURRENT                                  | Full load   | A: 110mA   B: 55mA   C: 27mA                                                              |           |           |           |           |           |           |           |     |
|                         |                                             | No load     | A: 20mA   B: 10mA   C: 7mA                                                                |           |           |           |           |           |           |           |     |
|                         | FILTER                                      |             | Capacitor Type                                                                            |           |           |           |           |           |           |           |     |
|                         | PROTECTION                                  |             | Fuse recommended                                                                          |           |           |           |           |           |           |           |     |
| PROTECTION<br>(Note. 5) | OVERLOAD                                    |             | 130 ~ 200% rated output power                                                             |           |           |           |           |           |           |           |     |
|                         |                                             |             | Protection type : Recovers automatically after fault condition is removed                 |           |           |           |           |           |           |           |     |
|                         | SHORT CIRCUIT                               |             | All output equipped with short circuit                                                    |           |           |           |           |           |           |           |     |
|                         |                                             |             | Protection type : Recovers automatically after fault condition is removed                 |           |           |           |           |           |           |           |     |
| ENVIRONMENT             | WORKING TEMP.                               |             | -40 ~ +90℃ (Refer to "Derating Curve")                                                    |           |           |           |           |           |           |           |     |
|                         | WORKING HUMIDITY                            |             | 20% ~ 90% RH non-condensing                                                               |           |           |           |           |           |           |           |     |
|                         | STORAGE TEMP., HUMIDITY                     |             | -40 ~ +105℃, 10 ~ 95% RH                                                                  |           |           |           |           |           |           |           |     |
|                         | TEMP. COEFFICIENT                           |             | ±0.05% / °C (0 ~ 50℃)                                                                     |           |           |           |           |           |           |           |     |
|                         | VIBRATION                                   |             | 10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes                  |           |           |           |           |           |           |           |     |
| SAFETY                  | SAFETY STANDARDS                            |             | EAC TP TC 020/2011 (EAC TP TC 004 for 48Vin type only) 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.                                                                                 |           |           |           |           |           |           |           |     |
|                         | EMC EMISSION                                |             | Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020                   |           |           |           |           |           |           |           |     |
| OTHERS                  | EMC IMMUNITY                                |             | Compliance to BS EN/EN61000-4-2,3,4,5,6,8 light industry level, criteria A, EAC TP TC 020 |           |           |           |           |           |           |           |     |
|                         | MTBF                                        |             | 500Khrs min. MIL-HDBK-217F(25℃)                                                           |           |           |           |           |           |           |           |     |
|                         | DIMENSION                                   |             | 17.4*7.75*11.1mm or 0.69**0.30**0.44" inch (L*W*H)                                        |           |           |           |           |           |           |           |     |
|                         | PACKING                                     |             | 3g ; 28pcs/per tube, 2800pcs/100 tube/per carton                                          |           |           |           |           |           |           |           |     |

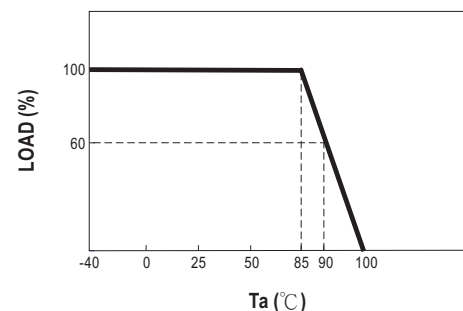
#### Mechanical Specification



#### Pin Configuration

| Pin No. | Output |
|---------|--------|
| 1       | -Vin   |
| 2       | +Vin   |
| 4       | +Vout  |
| 6       | -Vout  |

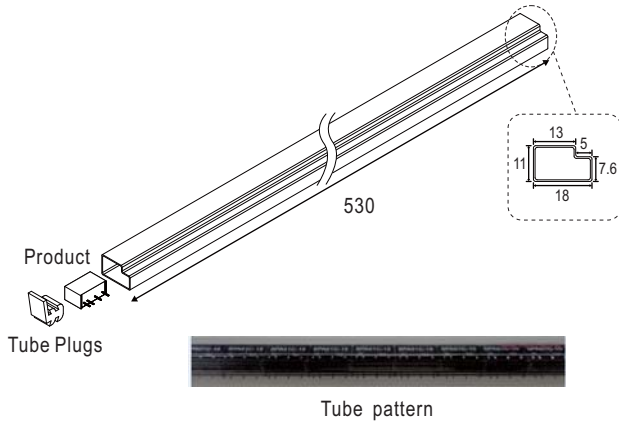
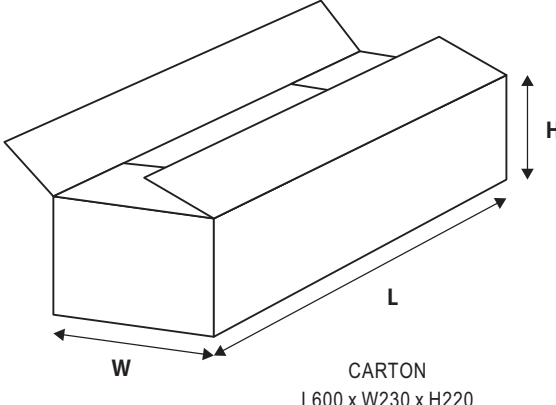
#### Derating Curve



#### 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 10% to 100% rated load.
  - 5.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- ※ 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>   | 28                       | 140g             | 2800                      | 14.8Kg             |

**Installation Manual**

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