



#### ■ Features :

- 2:1 wide input range
- 4:1 wide input range(option)
- 1500VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC / EAC / CE / UKCA
- 2 years warranty

#### ■ GTIN CODE

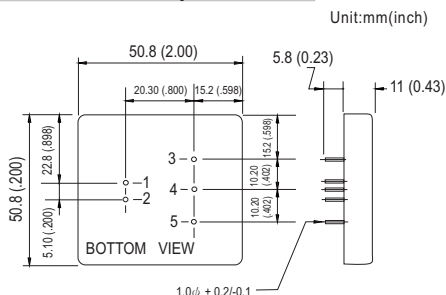
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

#### SPECIFICATION



| ORDER NO.               |                              | SKE15A-05                                                                                                                        | SKE15B-05                         | SKE15C-05 | SKE15A-12    | SKE15B-12 | SKE15C-12 | SKE15A-15    | SKE15B-15 | SKE15C-15 | SKE15A-24    | SKE15B-24 | SKE15C-24 |  |
|-------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--|
| OUTPUT                  | DC VOLTAGE                   | 5V                                                                                                                               |                                   |           | 12V          |           |           | 15V          |           |           | 24V          |           |           |  |
|                         | CURRENT RANGE                | 300 ~ 3000mA                                                                                                                     |                                   |           | 125 ~ 1250mA |           |           | 100 ~ 1000mA |           |           | 62.5 ~ 625mA |           |           |  |
|                         | RATED POWER                  | 15W                                                                                                                              |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | RIPPLE & NOISE (max.) Note.2 | 50mVp-p                                                                                                                          |                                   |           | 60mVp-p      |           |           | 60mVp-p      |           |           | 80mVp-p      |           |           |  |
|                         | LINE REGULATION Note.3       | ±0.3%                                                                                                                            |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | LOAD REGULATION Note.4       | ±0.5%                                                                                                                            |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | VOLTAGE ACCURACY             | ±2.0%                                                                                                                            |                                   |           |              |           |           |              |           |           |              |           |           |  |
| SWITCHING FREQUENCY     |                              | 150KHz min.                                                                                                                      |                                   |           |              |           |           |              |           |           |              |           |           |  |
| INPUT                   | VOLTAGE RANGE                | A: 9 ~ 18VDC    B: 18 ~ 36VDC    C: 36 ~ 72VDC                                                                                   |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | EFFICIENCY (Typ.)            | 79%                                                                                                                              | 79%                               | 80%       | 80%          | 82%       | 82%       | 80%          | 83%       | 83%       | 82%          | 83%       | 84%       |  |
|                         | DC CURRENT                   | Full load                                                                                                                        | A: 1700mA    B: 800mA    C: 400mA |           |              |           |           |              |           |           |              |           |           |  |
|                         |                              | No load                                                                                                                          | A: 40mA    B: 20mA    C: 10mA     |           |              |           |           |              |           |           |              |           |           |  |
|                         | FILTER                       | Pi network                                                                                                                       |                                   |           |              |           |           |              |           |           |              |           |           |  |
| PROTECTION              |                              | Fuse recommended                                                                                                                 |                                   |           |              |           |           |              |           |           |              |           |           |  |
| PROTECTION<br>(Note. 5) | OVER CURRENT                 | 160% ~ 250% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed         |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | SHORT CIRCUIT                | All output equipped with short circuit<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         |                              |                                                                                                                                  |                                   |           |              |           |           |              |           |           |              |           |           |  |
| ENVIRONMENT             | WORKING TEMP.                | -25 ~ +71℃ (Refer to "Derating Curve")                                                                                           |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | WORKING HUMIDITY             | 20% ~ 90% RH non-condensing                                                                                                      |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | STORAGE TEMP., HUMIDITY      | -25 ~ +105℃, 10 ~ 95% RH                                                                                                         |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | TEMP. COEFFICIENT            | ±0.03% / ℃ (0 ~ 50℃)                                                                                                             |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | VIBRATION                    | 10 ~ 500Hz, 2G 10min./1cycle, 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                                                                                       |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | EMC EMISSION                 | Compliance to BS EN/EN55032 Class A, FCC part 15 Class A, EAC TP TC 020                                                          |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | EMC IMMUNITY                 | Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020                                       |                                   |           |              |           |           |              |           |           |              |           |           |  |
| OTHERS                  | MTBF                         | 300Khrs min. MIL-HDBK-217F(25℃)                                                                                                  |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | DIMENSION                    | 50.8*50.8*11.0 mm or 2"*2"*0.43" inch (L*W*H)                                                                                    |                                   |           |              |           |           |              |           |           |              |           |           |  |
|                         | PACKING                      | 60g ; 5pcs/per tube, 200pcs/40 tube/per carton                                                                                   |                                   |           |              |           |           |              |           |           |              |           |           |  |

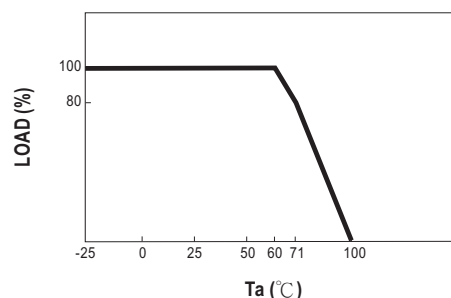
#### ■ Mechanical Specification



#### ■ Pin Configuration

| Pin No. | Output |
|---------|--------|
| 1       | +Vin   |
| 2       | -Vin   |
| 3       | +Vout  |
| 4       | No Pin |
| 5       | -Vout  |

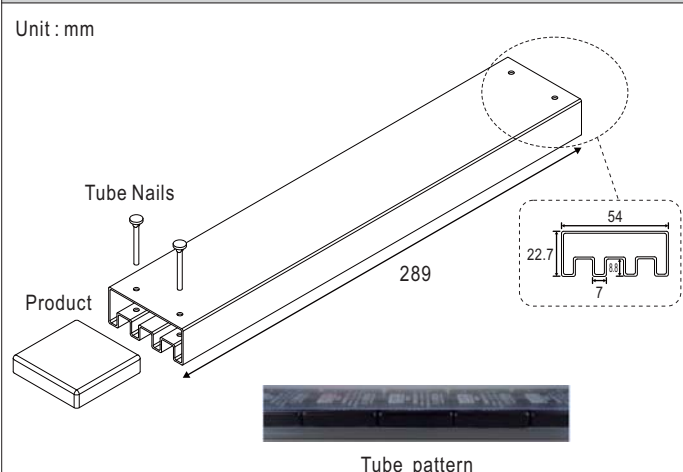
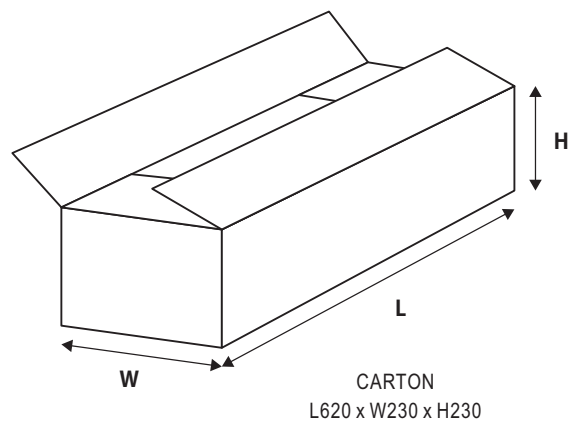
#### ■ Derating Curve



#### 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>  <p>Tube pattern</p>  <p>CARTON<br/>L620 x W230 x H230</p> | 5                        | 360g             | 200                       | 15.2Kg             |

## Installation Manual

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