



10W 1"x1" Package DC-DC Regulated Converter

## SKM10 & DKM10 series



### ■ Features

- DIP 1"x1" package with industry standard pinout
- 2:1 wide input range
- Operating temperature range -40 ~ +85°C
- No minimum load required
- Comply to BS EN/EN55032 radiated Class A without additional components
- High efficiency up to 90%
- Protections: Short circuit (Continuous) / Overload / Over voltage / Input under voltage
- 1.5KVDC I/O isolation
- Remote ON/OFF control and Trimming output ( $\pm 10\%$ )
- 3 years warranty

### ■ Applications

- Telecom/datacom system
- Wireless network
- Industrial control facility
- Instrument
- Analyzer
- Detector
- Data switch

### ■ GTIN CODE

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

### ■ Description

SKM10 and DKM10 series are 10W isolated and regulated module type DC-DC converter with DIP 1"x1" package. It features international standard pins, a high efficiency up to 90%, wide working temperature range -40~+85°C, 1.5KVDC I/P-O/P isolation voltage, Compliance to BS EN/EN55032 radiated Class A without additional components, continuous-mode short circuit protection, etc. The models account for different input voltage 4.7~9V, 9~18V, 18~36V and 36~75V 2:1 wide input range, and various output voltage, 3.3V/5V/12V/15V for single output and  $\pm 5V/\pm 12V/\pm 15V$  for dual outputs, which are suitable for all kinds of systems, Such as industrial control, telecommunication field, distributed power architecture, and so on.

### ■ Model Encoding

**SKM10E-12**

Output voltage (3.3/5/12/15Vdc,  $\pm 5/\pm 12/\pm 15$ Vdc)

Input voltage (E: 4.7~9Vdc, A: 9~18Vdc, B: 18~36Vdc, C: 36~75Vdc)

Rated wattage

Series name { S:Single output  
D: Dual output



10W 1"x1" Package DC-DC Regulated Converter

**SKM10 & DKM10 series**

| MODEL SELECTION TABLE |                          |               |           |                   |                   |                      |                          |
|-----------------------|--------------------------|---------------|-----------|-------------------|-------------------|----------------------|--------------------------|
| ORDER NO.             | INPUT                    |               |           | OUTPUT            |                   | EFFICIENCY<br>(Typ.) | CAPACITOR LOAD<br>(MAX.) |
|                       | INPUT VOLTAGE<br>(RANGE) | INPUT CURRENT |           | OUTPUT<br>VOLTAGE | OUTPUT<br>CURRENT |                      |                          |
|                       |                          | NO LOAD       | FULL LOAD |                   |                   |                      |                          |
| SKM10E-03             | 5V<br>(4.7 ~ 9V)         | 85mA          | 1897mA    | 3.3V              | 2500mA            | 87%                  | 2470μF                   |
| SKM10E-05             |                          | 85mA          | 2299mA    | 5V                | 2000mA            | 87%                  | 2000μF                   |
| SKM10E-12             |                          | 30mA          | 2298mA    | 12V               | 833mA             | 87%                  | 940μF                    |
| SKM10E-15             |                          | 30mA          | 2297mA    | 15V               | 666mA             | 87%                  | 690μF                    |
| DKM10E-05             |                          | 40mA          | 2353mA    | ±5V               | ±0 ~ 1000mA       | 85%                  | *1000μF                  |
| DKM10E-12             |                          | 40mA          | 2295mA    | ±12V              | ±0 ~416mA         | 87%                  | *440μF                   |
| DKM10E-15             |                          | 40mA          | 2297mA    | ±15V              | ±0 ~ 333mA        | 87%                  | *330μF                   |
| SKM10A-03             | 12V<br>(9 ~ 18V)         | 30mA          | 855mA     | 3.3V              | 2500mA            | 81%                  | 2470μF                   |
| SKM10A-05             |                          | 30mA          | 980mA     | 5V                | 2000mA            | 85%                  | 2000μF                   |
| SKM10A-12             |                          | 35mA          | 957mA     | 12V               | 833mA             | 89%                  | 940μF                    |
| SKM10A-15             |                          | 35mA          | 956mA     | 15V               | 666mA             | 87%                  | 690μF                    |
| DKM10A-05             |                          | 40mA          | 985mA     | ±5V               | ±0 ~ 1000mA       | 85%                  | *1000μF                  |
| DKM10A-12             |                          | 40mA          | 957mA     | ±12V              | ±0 ~416mA         | 87%                  | *440μF                   |
| DKM10A-15             |                          | 40mA          | 957mA     | ±15V              | ±0 ~ 333mA        | 89%                  | *330μF                   |
| SKM10B-03             | 24V<br>(18 ~ 36V)        | 25mA          | 421mA     | 3.3V              | 2500mA            | 82%                  | 2470μF                   |
| SKM10B-05             |                          | 25mA          | 490mA     | 5V                | 2000mA            | 85%                  | 2000μF                   |
| SKM10B-12             |                          | 25mA          | 478mA     | 12V               | 833mA             | 88%                  | 940μF                    |
| SKM10B-15             |                          | 25mA          | 478mA     | 15V               | 666mA             | 88%                  | 690μF                    |
| DKM10B-05             |                          | 25mA          | 490mA     | ±5V               | ±0 ~ 1000mA       | 85%                  | *1000μF                  |
| DKM10B-12             |                          | 25mA          | 478mA     | ±12V              | ±0 ~416mA         | 88%                  | *440μF                   |
| DKM10B-15             |                          | 25mA          | 478mA     | ±15V              | ±0 ~ 333mA        | 90%                  | *330μF                   |
| SKM10C-03             | 48V<br>(36 ~ 75V)        | 15mA          | 213mA     | 3.3V              | 2500mA            | 81%                  | 2470μF                   |
| SKM10C-05             |                          | 15mA          | 245mA     | 5V                | 2000mA            | 85%                  | 2000μF                   |
| SKM10C-12             |                          | 15mA          | 239mA     | 12V               | 833mA             | 89%                  | 940μF                    |
| SKM10C-15             |                          | 15mA          | 239mA     | 15V               | 666mA             | 88%                  | 690μF                    |
| DKM10C-05             |                          | 15mA          | 246mA     | ±5V               | ±0 ~ 1000mA       | 85%                  | *1000μF                  |
| DKM10C-12             |                          | 15mA          | 239mA     | ±12V              | ±0 ~416mA         | 86%                  | *440μF                   |
| DKM10C-15             |                          | 15mA          | 239mA     | ±15V              | ±0 ~ 333mA        | 89%                  | *330μF                   |

\* For each output

| SPECIFICATION             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                         |                                                         |                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------|
| INPUT                     | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | E: 4.7~9Vdc , A: 9~18Vdc , B: 18~36Vdc , C: 36~75Vdc                                                                                                    |                                                         |                                   |
|                           | SURGE VOLTAGE (100ms max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5Vin models : 12Vdc, 12Vin models : 25Vdc, 24Vin models : 50Vdc, 48Vin models : 100Vdc                                                                  |                                                         |                                   |
|                           | FILTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pi type                                                                                                                                                 |                                                         |                                   |
|                           | PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fuse recommended. 5Vin models: 5A delay time Type, 12Vin models: 4A delay time Type, 24Vin models: 2A delay time Type, 48Vin models: 1A delay time Type |                                                         |                                   |
|                           | INTERNAL POWER DISSIPATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 500mW                                                                                                                                                   |                                                         |                                   |
| OUTPUT                    | VOLTAGE ACCURACY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ± 1.5%                                                                                                                                                  |                                                         |                                   |
|                           | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10W                                                                                                                                                     |                                                         |                                   |
|                           | RIPPLE & NOISE   Note.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50mVp-p                                                                                                                                                 |                                                         |                                   |
|                           | LINE REGULATION   Note.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ± 0.2%                                                                                                                                                  |                                                         |                                   |
|                           | LOAD REGULATION   Note.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Single output models: ±0.2%, Dual output models: ± 1%                                                                                                   |                                                         |                                   |
|                           | SWITCHING FREQUENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 350KHz                                                                                                                                                  |                                                         |                                   |
|                           | EXTERNAL TRIM ADJ. RANGE (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ± 10% (Single output model only)                                                                                                                        |                                                         |                                   |
| PROTECTION                | SHORT CIRCUIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Protection type : Continuous, automatic recovery                                                                                                        |                                                         |                                   |
|                           | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 110 ~ 140% rated output power                                                                                                                           |                                                         |                                   |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Protection type : Recovers automatically after fault condition is removed                                                                               |                                                         |                                   |
|                           | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Protection type : Clamp by diode                                                                                                                        |                                                         |                                   |
|                           | UNDER VOLTAGE LOCKOUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Start-up voltage                                                                                                                                        | 5Vin: 4.4Vdc, 12Vin: 8.8Vdc, 24Vin: 17Vdc, 48Vin: 34Vdc |                                   |
| Shutdown voltage          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5Vin: 4.2Vdc, 12Vin: 8Vdc, 24Vin: 16Vdc, 48Vin: 32Vdc                                                                                                   |                                                         |                                   |
| FUNCTION                  | REMOTE CONTROL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Power ON: R.C. ~ -Vin >5.5~75Vdc or open circuit ; Power OFF: R.C. ~ -Vin <1.2Vdc or short                                                              |                                                         |                                   |
| ENVIRONMENT               | COOLING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Free-air convection                                                                                                                                     |                                                         |                                   |
|                           | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40 ~ +85℃ (Refer to "Derating Curve")                                                                                                                  |                                                         |                                   |
|                           | CASE TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | +105℃ max.                                                                                                                                              |                                                         |                                   |
|                           | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20% ~ 90% RH non-condensing                                                                                                                             |                                                         |                                   |
|                           | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -55 ~ +125℃, 10 ~ 95% RH non-condensing                                                                                                                 |                                                         |                                   |
|                           | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.03% / °C (0 ~ 71℃)                                                                                                                                    |                                                         |                                   |
|                           | SOLDERING TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.5mm from case of 1 ~ 3sec./260℃ max.                                                                                                                  |                                                         |                                   |
|                           | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                 |                                                         |                                   |
| SAFETY & EMC<br>( Note.5) | 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 (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000pF                                                                                                                                                  |                                                         |                                   |
|                           | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Parameter                                                                                                                                               | Standard                                                | Test Level / Note                 |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Conducted                                                                                                                                               | BS EN/EN55032(CISPR32)                                  | N/A                               |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Radiated                                                                                                                                                | BS EN/EN55032(CISPR32)                                  | Class A                           |
|                           | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Parameter                                                                                                                                               | Standard                                                | Test Level / Note                 |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ESD                                                                                                                                                     | BS EN/EN61000-4-2                                       | Level 2, ± 8KV air, ± 4KV contact |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Radiated Susceptibility                                                                                                                                 | BS EN/EN61000-4-3                                       | Level 2, 3V/m                     |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EFT/Burest                                                                                                                                              | BS EN/EN61000-4-4                                       | Level 1, 0.5KV                    |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Surge                                                                                                                                                   | BS EN/EN61000-4-5                                       | Level 1, 0.5KV Line-Line          |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Conducted                                                                                                                                               | BS EN/EN61000-4-6                                       | Level 2, 3V(e.m.f.)               |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Magnetic Field                                                                                                                                          | BS EN/EN61000-4-8                                       | Level 2, 3A/m                     |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OTHERS                                                                                                                                                  | MTBF                                                    | 1200Khrs MIL-HDBK-217F(25℃)       |
| DIMENSION (L*W*H)         | 25.4*25.4*10.2mm (1*1*0.4 inch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                         |                                                         |                                   |
| CASE MATERIAL             | Black coated copper with Non-Conductive Base                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                         |                                                         |                                   |
| PACKING                   | 18.3g ; 12pcs/per tube, 600pcs/50 tube/per carton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                         |                                                         |                                   |
| NOTE                      | 1.All parameters are specified at normal input(E:5Vdc, A:12Vdc, B:24Vdc, C:48Vdc), rated load, 25℃ 70% RH ambient.<br>2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µf & 47µf capacitor.<br>3.Line regulation is measured from low line to high line at rated load.<br>4.Load regulation is measured from 10% to 100% rated load.<br>5.The final equipment must be re-confirm that it still meet EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."(as available on <a href="http://www.meanwell.com">http://www.meanwell.com</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> |                                                                                                                                                         |                                                         |                                   |

## External Output Trimming

In order to trim the voltage up or down one needs to connect the trim resistor either between the trim pin and -Vo for trim-up and between trim pin and +Vo for trim-down. The output voltage trim range is  $\pm 10\%$ . This is shown in Figures 1 and 2:

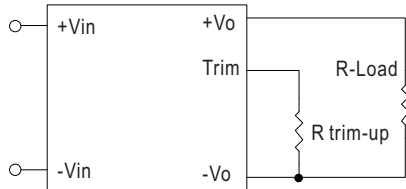


Figure 1. Trim-up Voltage Setup

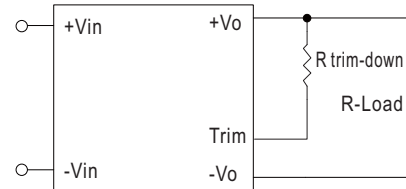


Figure 2. Trim-down Voltage Setup

### 1. The value of Rtrim-up defined as:

$$R_{\text{trim-up}} = \left( \frac{V_r \times R_1 \times (R_2 + R_3)}{(V_o - V_{o, \text{nom}}) \times R_2} \right) - R_t \text{ (K}\Omega\text{)}$$

Where

$R_{\text{trim-up}}$  is the external resistor in Kohm.

$V_{o, \text{nom}}$  is the nominal output voltage.

$V_o$  is the desired output voltage.

$R_1$ ,  $R_t$ ,  $R_2$ ,  $R_3$  and  $V_r$  are internal to the unit and are defined in Table 1.

For example, to trim-up the output voltage of 5.0V module (SKM10A-05) by 10% to 5.5V,  $R_{\text{trim-up}}$  is calculated as follows:

$$V_o - V_{o, \text{nom}} = 5.5 - 5.0 = 0.5V$$

$$R_1 = 2.32 \text{ K}\Omega$$

$$R_2 = 2.32 \text{ K}\Omega$$

$$R_3 = 0 \text{ K}\Omega$$

$$R_t = 8.2 \text{ K}\Omega$$

$$V_r = 2.5V$$

$$R_{\text{trim-up}} = \left( \frac{2.5 \times 2.32 \times (2.32+0)}{0.5 \times 2.32} \right) - 8.2 = 3.4(\text{K}\Omega)$$

### 2. The value of Rtrim-down defined as:

$$R_{\text{trim-down}} = R_1 \times \left( \frac{V_r \times R_1}{(V_{o, \text{nom}} - V_o) \times R_2} - 1 \right) - R_t \text{ (K}\Omega\text{)}$$

Where

$R_{\text{trim-down}}$  is the external resistor in Kohm.

$V_{o, \text{nom}}$  is the nominal output voltage.

$V_o$  is the desired output voltage.

$R_1$ ,  $R_t$ ,  $R_2$ ,  $R_3$  and  $V_r$  are internal to the unit and are defined in Table 1.

For example, to trim-down the output voltage of 5.0V module (SKM10A-05) by 10% to 4.5V,  $R_{\text{trim-down}}$  is calculated as follows:

$$V_{o, \text{nom}} - V_o = 5.0 - 4.5 = 0.5V$$

$$R_1 = 2.32 \text{ K}\Omega$$

$$R_2 = 2.32 \text{ K}\Omega$$

$$R_3 = 0 \text{ K}\Omega$$

$$R_t = 8.2 \text{ K}\Omega$$

$$V_r = 2.5V$$

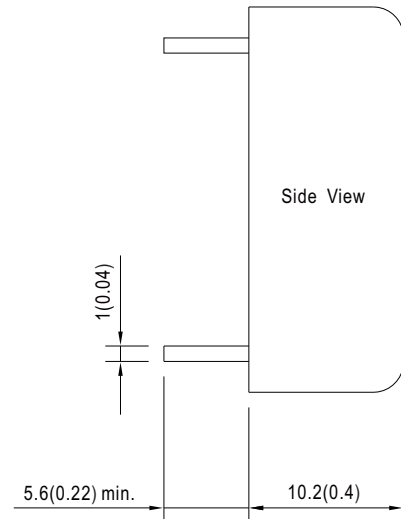
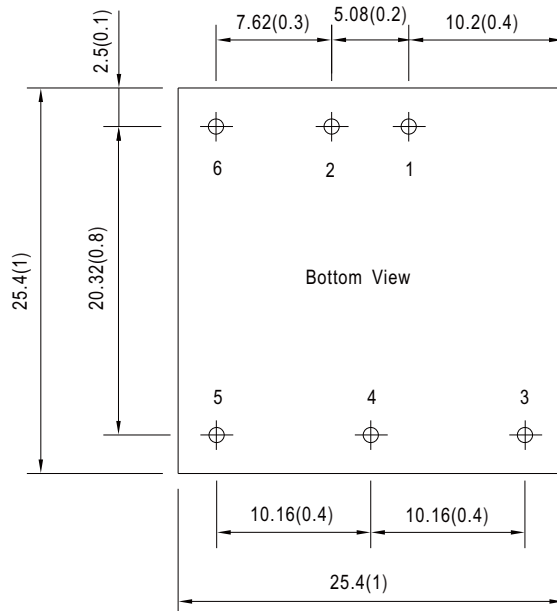
$$R_{\text{trim-down}} = 2.32 \times \left( \frac{2.5 \times 2.32}{0.5 \times 2.32} - 1 \right) - 8.2 = 1.08 (\text{K}\Omega)$$

Table 1 – Trim up and Trim down Resistor Values

| Model Number                                     | Output Voltage(V) | R1 (KΩ) | R2 (KΩ) | R3 (KΩ) | Rt (KΩ) | Vr (V) |
|--------------------------------------------------|-------------------|---------|---------|---------|---------|--------|
| SKM10E-03<br>SKM10A-03<br>SKM10B-03<br>SKM10C-03 | 3.3               | 2.70    | 1.8     | 0.27    | 9.1     | 1.25   |
| SKM10E-05<br>SKM10A-05<br>SKM10B-05<br>SKM10C-05 | 5                 | 2.32    | 2.32    | 0       | 8.2     | 2.5    |
| SKM10E-12<br>SKM10A-12<br>SKM10B-12<br>SKM10C-12 | 12                | 6.8     | 2.4     | 2.32    | 22      | 2.5    |
| SKM10E-15<br>SKM10A-15<br>SKM10B-15<br>SKM10C-15 | 15                | 8.06    | 2.38    | 3.9     | 22      | 2.5    |

### ■ Mechanical Specification

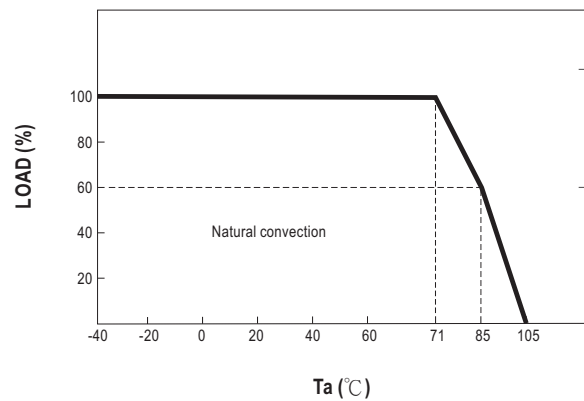
- All dimensions in mm(inch)
- Tolerance:  $x.x \pm 0.5\text{mm}$  ( $x.xx \pm 0.02"$ )
- Pin size is  $1 \pm 0.1\text{mm}$  ( $0.04" \pm 0.004"$ )



### ■ Plug Assignment

| Pin-Out |                          |                        |
|---------|--------------------------|------------------------|
| Pin No. | SKM10<br>(Single output) | DKM10<br>(Dual output) |
| 1       | +Vin                     | +Vin                   |
| 2       | -Vin                     | -Vin                   |
| 3       | +Vout                    | +Vout                  |
| 4       | Trim                     | Common                 |
| 5       | -Vout                    | -Vout                  |
| 6       | R.C.                     | R.C.                   |

### ■ Derating Curve

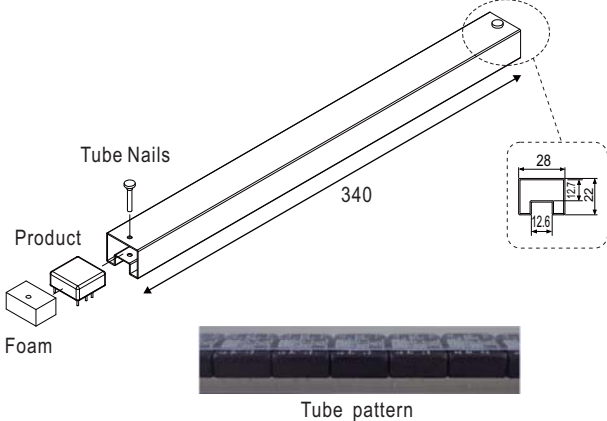
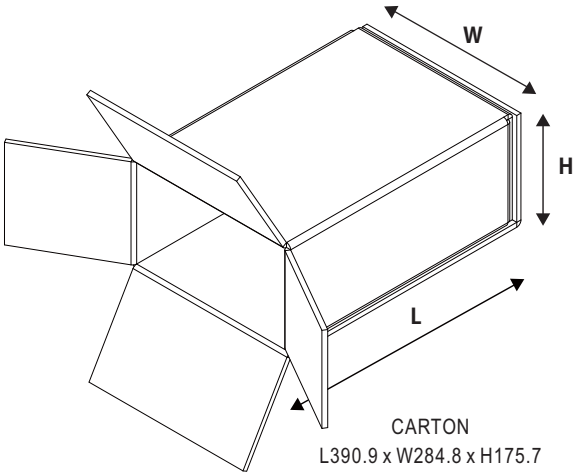




10W 1"x1" Package DC-DC Regulated Converter

# SKM10 & DKM10 series

**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>CARTON<br/>L390.9 x W284.8 x H175.7</p> | 12                       | 255.6g           | 600                       | 14.78Kg            |

**Installation Manual**

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