



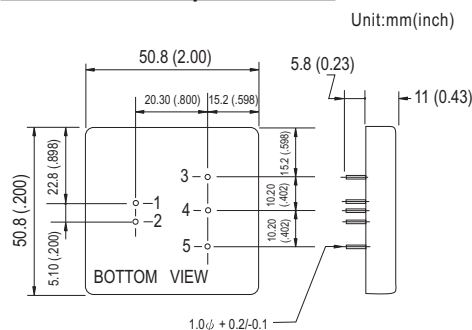
- Features :
  - 2:1 wide input range
  - 4:1 wide input range(option)
  - 1000VDC I/O isolation
  - 3000VDC I/O isolation(option)
  - Built-in EMI filter
  - Protections: Short circuit / Overload
  - Cooling by free air convection
  - Six-sided shield metal case
  - 100% burn-in test
  - Low cost / High reliability
  - Approvals: FCC / CE
  - 2 years warranty



## 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			12V			15V			24V		
	CURRENT RANGE			125 ~ 1250mA			100 ~ 1000mA			62.5 ~ 625mA		
	RATED POWER			15W								
	RIPPLE & NOISE (max.) Note.2			50mVp-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 (Note. 5)	OVER CURRENT											
	160% ~ 250% rated output power											
	Protection type : Hiccup mode, recovers automatically after fault condition is removed											
SHORT CIRCUIT												
All output equipped with short circuit												
Protection type : Hiccup mode, recovers automatically after fault condition is removed												
ENVIRONMENT	WORKING TEMP.											
	-25 ~ +71°C (Refer to output load derating curve)											
	WORKING HUMIDITY											
	20% ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY											
-25 ~ +105°C, 10 ~ 95% RH												
TEMP. COEFFICIENT												
±0.03% / °C (0 ~ 50°C)												
VIBRATION												
10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes												
SAFETY & EMC	WITHSTAND VOLTAGE											
	I/P-O/P:1KVDC											
	ISOLATION RESISTANCE											
	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH											
EMC EMISSION												
Compliance to EN55022 Class B, FCC part 15 Class B												
EMC IMMUNITY												
Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A												
OTHERS	MTBF											
	300Khrs min. MIL-HDBK-217F(25°C)											
	DIMENSION											
50.8*50.8*11.0 mm or 2**2**0.43" inch (L*W*H)												
WEIGHT												
65g												

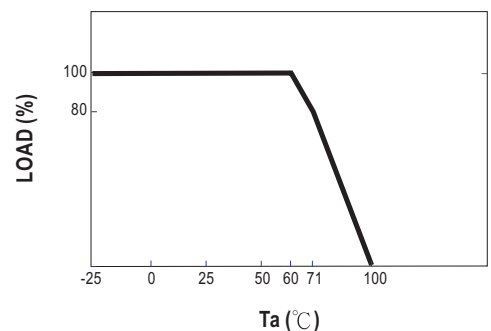
### Mechanical Specification



### 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.