



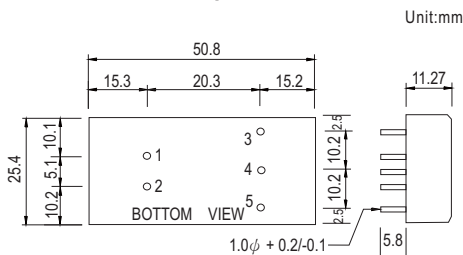
- Features :
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: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



SPECIFICATION

ORDER NO.	SKE10A-05	SKE10B-05	SKE10C-05	SKE10A-12	SKE10B-12	SKE10C-12	SKE10A-15	SKE10B-15	SKE10C-15	SKE10A-24	SKE10B-24	SKE10C-24			
OUTPUT	DC VOLTAGE			12V			15V			24V					
	CURRENT RANGE			84 ~ 840mA			66.6 ~ 666mA			42 ~ 420mA					
	RATED POWER												10W		
	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												200KHz min.		
INPUT	VOLTAGE RANGE												A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC		
	EFFICIENCY (Typ.)												78% 79% 80% 79% 81% 81% 80% 82% 82% 81% 82% 83%		
	DC CURRENT												Full load A: 1100mA B: 530mA C: 270mA No load A: 28mA B: 16mA C: 8mA		
	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 "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	SAFETY STANDARDS												EAC TP TC 004 approved		
	WITHSTAND VOLTAGE												I/P-O/P:1KVDC		
	ISOLATION RESISTANCE												I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION												Compliance to EN55032 Class A, FCC part 15 Class A, EAC TP TC 020		
	EMC IMMUNITY												Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020		
OTHERS	MTBF												500Khrs min. MIL-HDBK-217F(25°C)		
	DIMENSION												50.8*25.4*11.2mm or 2**1**0.44" inch (L*W*H)		
	WEIGHT												32g		

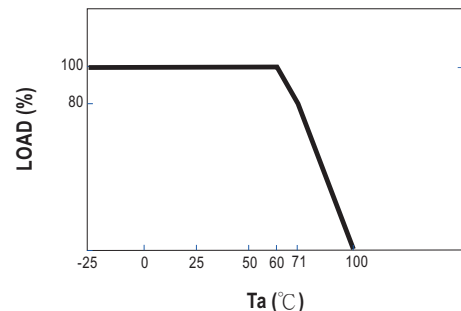
■ Mechanical Specification



■ Pin Configuration

Pin no.	Output Single
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.

Mouser Electronics

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