

10W DC-DC regulated single output converter



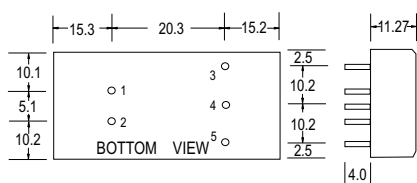
- 2:1 wide input range
- 4:1 wide input range (optional)
- 1000VDC I/O isolation
- Input Pi network filter
- Protections: short circuit/ over load
- Free air convection
- Six-sided shield metal case
- High reliability / Low cost
- 100% burn-in test
- 1 year warranty

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	5V			12V			15V			24V		
	CURRENT RANGE	200 ~ 2000mA			84 ~ 840mA			66.6 ~ 666mA			42 ~ 420mA		
	RATED POWER	10W											
	VOLTAGE ACCURACY	±2%											
	RIPPLE & NOISE (max.) <small>Note.2</small>	50mVp-p			60mVp-p			60mVp-p			80mVp-p		
	LINE REGULATION <small>Note.3</small>	±0.3%											
	LOAD REGULATION <small>Note.4</small>	±0.5%											
	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	OVER CURRENT	160%~250% Hiccup mode, Reset: auto recovery											
	SHORT CIRCUIT	Continuous, Reset: auto recovery											
ENVIRONMENT	WORKING TEMP., HUMIDITY	-25~+60℃ @, 20%~90% RH non-condensing; 80% load@71℃											
	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	WITHSTAND VOLTAGE	I/P-O/P:1KVDC for 1min.											
	ISOLATION RESISTANCE	I/P-O/P: 500VDC/ 100M Ohms min.											
OTHERS	MTBF	500khrs min. MIL-HDBK-217F Part-count GB											
	DIMENSION	50.8*25.4*11.2mm (L*W*H) or 2"*1"*0.44" inch (L*W*H)											
	PACKING	32g/pcs											

Mechanical Specification

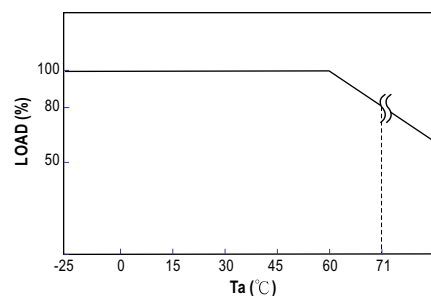
Unit:mm(inch)



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℃ 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.