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Jameco Part Number 217120 (SKE15C-12)



SKE15 series

15W DC-DC regulated single output converter

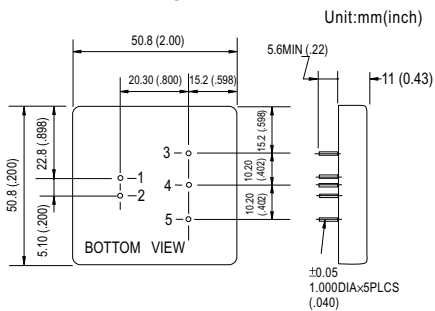


- 2:1 wide input range
- 4:1 wide input range (optional)
- 1000VDC I/O isolation
- Input Pi network filter
- Protections: short circuit/ over load
- Free air convection
- Six-sided shield metal case
- High reliability / Low cost
- 100% burn-in test
- 1 year warranty

SPECIFICATION

ORDER NO.	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											
	VOLTAGE ACCURACY	±2%											
	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%											
	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	OVER CURRENT	160%~250% Hiccup mode, Reset: auto recovery											
	SHORT CIRCUIT	Continuous, Reset: auto recovery											
ENVIRONMENT	WORKING TEMP., HUMIDITY	-25~+60°C @ 20%~90% RH non-condensing; 80% load@71°C											
	STORAGE TEMP., HUMIDITY	-25~+105°C, 10~95% RH											
	TEMP. COEFFICIENT	±0.03%/°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 for 1min.											
	ISOLATION RESISTANCE	I/P-O/P: 500VDC/ 100M Ohms min.											
OTHERS	MTBF	300khrs min. MIL-HDBK-217F Part-count GB											
	DIMENSION	50.8*50.8*11.0mm (L*W*H) or 2**2**0.43" inch (L*W*H)											
	PACKING	65g/pcs											

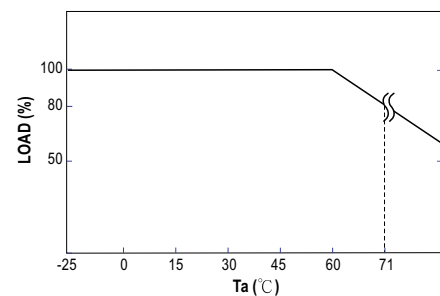
Mechanical Specification



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.