



Features :

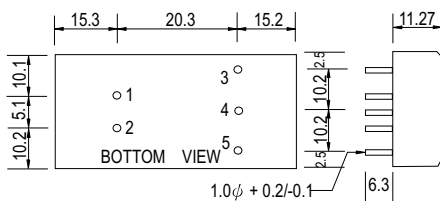
- 2:1 wide input range
- 1000VDC I/O isolation
- 3000VDC I/O isolation
- Input Pi network filter
- Protections: Short circuit/ Over load
- Free air convection
- Six-sided shield metal case
- High reliability/ Low cost
- 100% burn-in test
- 1 year warranty

SPECIFICATION

ORDER NO.	SKA15A-033	SKA15B-033	SKA15C-033	SKA15A-05	SKA15B-05	SKA15C-05	SKA15A-12	SKA15B-12	SKA15C-12	SKA15A-15	SKA15B-15	SKA15C-15	
OUTPUT	DC VOLTAGE			3.3V			5V			12V			15V
	CURRENT RANGE			300 ~ 3000mA			300 ~ 3000mA			125 ~ 1250mA			100 ~ 1000mA
	RATED POWER			9.9W			15W						
	RIPPLE & NOISE (max.) Note.2			50mVp-p			50mVp-p			60mVp-p			60mVp-p
	LINE REGULATION Note.3			±0.2%									
	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.)												76% 76% 76% 78% 78% 80% 82% 80% 82% 82% 80% 82%
	DC CURRENT												Full load A: 1700mA B: 800mA C: 400mA No load A: 20mA B: 30mA C: 15mA
	FILTER												Pi network
PROTECTION (Note. 5)	OVER CURRENT												110% ~ 200% 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
OTHERS	MTBF												300khrs min. MIL-HDBK-217F(25°C)
	DIMENSION												50.8*25.4*11.27 mm or 2**1**0.44" inch (L*W*H)
	WEIGHT												60g

Mechanical Specification

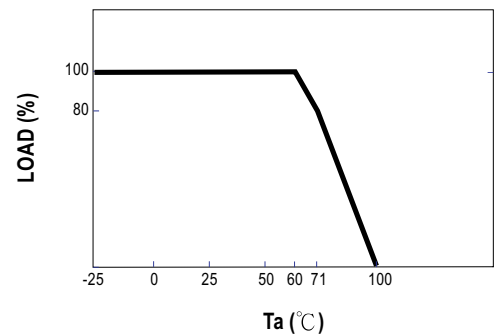
Unit:mm(inch)



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.