



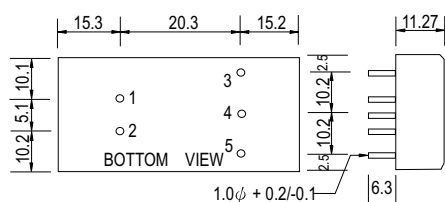
- Features :
- 2:1 wide input range
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation
 - Input Pi network filter
 - Protections: Short circuit/ Over load
 - Free air convection
 - Six-sided shield metal case
 - High reliability/ Low cost
 - 100% burn-in test
 - 1 year warranty

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%	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%~160% 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

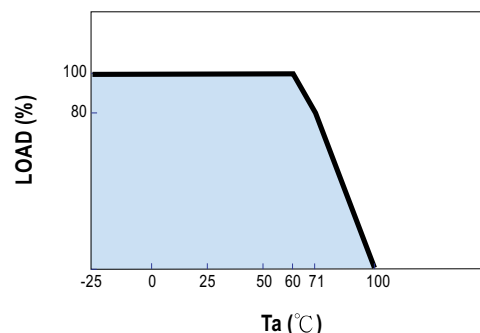
Unit:mm(inch)



■ 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.