



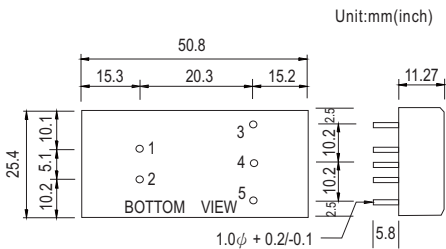
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability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



SPECIFICATION

ORDER NO.	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	EXTERNAL CAPACITANCE LOAD (max.)	2700uF	2700uF	1000uF	2700uF	2700uF	1000uF	1800uF	1800uF	680uF	1500uF	1500uF	560uF
	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											
PROTECTION (Note. 5)	FILTER	Pi network											
	PROTECTION	Fuse recommended											
	OVER CURRENT	110% ~ 250% rated output power											
ENVIRONMENT	SHORT CIRCUIT	All output equipped with short circuit											
	Protection type	Hiccup mode, recovers automatically after fault condition is removed											
SAFETY & EMC	WORKING TEMP.	-40 ~ +71°C (Refer to "Derating Curve")											
	WORKING HUMIDITY	20% ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-40 ~ +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											
OTHERS	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											
NOTE	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A											
	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	32g											

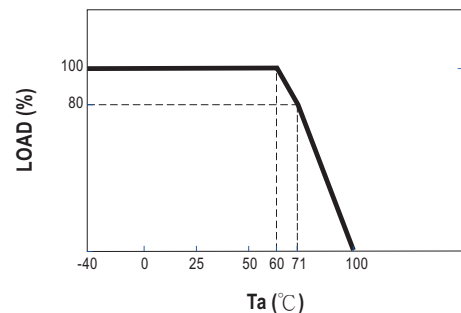
Mechanical Specification



Pin Configuration

Pin No.	Output
1	+Vin
2	-Vin
3	+Vout
4	No Pin
5	-Vout

Derating Curve



NOTE

- All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
- Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 10% to 100% rated load.
- Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.

