



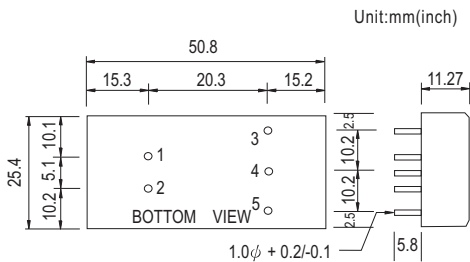
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - 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	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% ~ 250% 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.												-40 ~ +71°C (Refer to output load 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											
SAFETY & EMC	WITHSTAND VOLTAGE												I/P-O/P:1KVDC											
	ISOLATION RESISTANCE												I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH											
	EMC EMISSION												Compliance to EN55022 Class B, FCC part 15 Class B											
	EMC IMMUNITY												Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A											
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												32g											

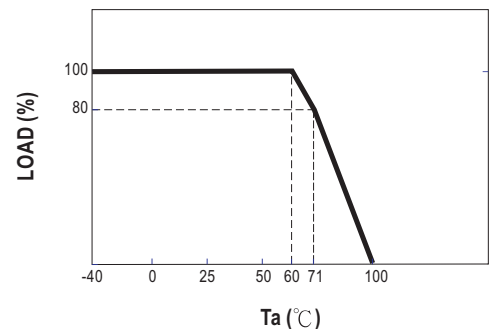
■ Mechanical Specification



■ 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.

Mouser Electronics

Authorized Distributor

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Mean Well:

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