

**SPECIFICATION** 



## Features:

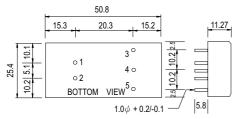
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- · Built-in EMI filter
- · Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- · Low cost / High reliability
- Approvals: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

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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: 1700m	A B: 800n	nA C: 400	)mA							
	DC CORRENT	No load A: 20mA B: 30mA C: 15mA											
	FILTER	Pi network											
	PROTECTION	Fuse recommended											
PROTECTION (Note. 5)	OVER CURRENT	110% ~ 250% rated output power											
	OVEROUNKENT	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											
	,	-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 / 25°C / 70% RH											
	EMI CONDUCTION & RADIATION		Compliance to EN55022 Class B, FCC part 15 Class B										
	EMS 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

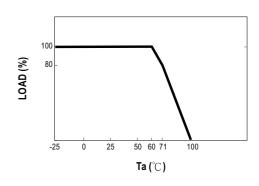
Unit:mm(inch)



### **■** 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° € 70% RH Ambient.
- 2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1 uf & 47 uf 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.