



## ■ Features :

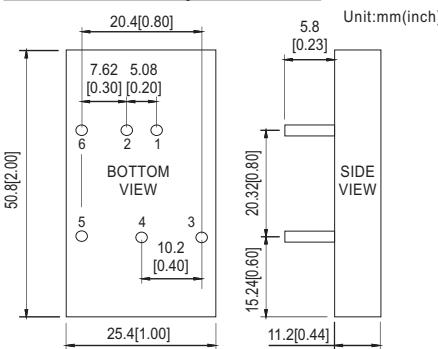
- 2" x 1" compact size
- 2:1 wide input range
- High efficiency up to 89.5%
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in trimming output
- Built-in EMI filter
- Protections: Short circuit / Overload / Input and Output Over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC / EAC / CE / UKCA
- 2 years warranty



## SPECIFICATION

ORDER NO.	SKA20A-05	SKA20B-05	SKA20C-05	SKA20A-12	SKA20B-12	SKA20C-12	SKA20A-15	SKA20B-15	SKA20C-15
OUTPUT	DC VOLTAGE	5V		12V			15V		
	CURRENT RANGE	400 ~ 4000mA		166 ~ 1666mA			133 ~ 1333mA		
	RATED POWER	20W							
	RIPLE & NOISE (max.) Note.2	50mVp-p		60mVp-p			60mVp-p		
	LINE REGULATION Note.3	±0.2%							
	LOAD REGULATION Note.4	±0.5%							
	VOLTAGE ACCURACY	±2.0%							
	SWITCHING FREQUENCY	300KHz typ.							
	EXTERNAL CAPACITANCE LOAD (max.)	1000uF		220uF			100uF		
INPUT	EXTERNAL TRIM Adj. RANGE(Typ.)	±10%		-20 ~ +10%			-20 ~ +10%		
	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC							
	EFFICIENCY (Typ.)	87.5%	88%	88.5%	88%	88.5%	87.5%	89%	89.5%
	DC CURRENT	Full load	1910mA	970mA	490mA	1910mA	970mA	500mA	1870mA
		No load	80mA	55mA	40mA	35mA	25mA	15mA	35mA
	FILTER	Pi network							
	REMOTE CONTROL	Power ON : R.C ~ -Vin > 2.5VDC or open circuit ; Power OFF : R.C ~ -Vin < 0.5VDC or short							
	PROTECTION	Fuse recommended							
	OVER CURRENT	110% ~ 180% rated output power							
PROTECTION (Note. 5)		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							
	OVER VOLTAGE	Input(Typ.) A: >20 ~ 23VDC B: >40 ~ 43VDC C: >80 ~ 82VDC input voltage							
ENVIRONMENT	Output	Protection type : Shut down o/p voltage, recovers automatically after fault condition is removed							
	WORKING TEMP.	-40 ~ +85°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
	STORAGE TEMP. HUMIDITY	-55 ~ +125°C, 10 ~ 95% RH							
SAFETY & EMC	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	EAC TP TC 020/2011 (EAC TP TC 004 for 48Vin type only) approved							
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVDC							
OTHERS	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to BS EN/EN55032 Class A, FCC part 15 Class A, EAC TP TC 020							
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020							
	MTBF	700Khrs min. MIL-HDBK-217F(25°C)							
DIMENSION	DIMENSION	50.8*25.4*11.2 mm or 2**1**0.44" inch (L*W*H)							
	WEIGHT	31.2g							

## ■ Mechanical Specification

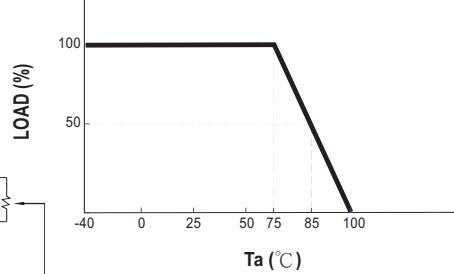


## ■ Pin Configuration

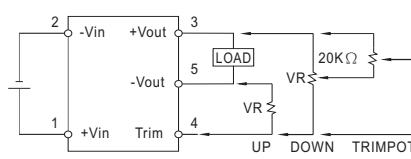
Pin No.	Output	Pin No.	Output
1	+Vin	4	Trim
2	-Vin	5	-Vout
3	+Vout	6	R.C

NOTE: Pin Size is Tolerance 1.0 ϕ ±0.10mm

## ■ Derating Curve



## ■ External Output Trimming



## 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.

※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>