



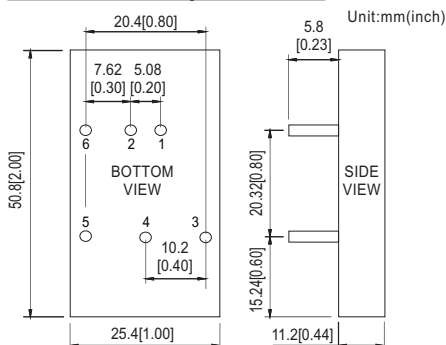
- Features :
  - 2"x1" compact size
  - 2:1 wide input range
  - High efficiency up to 89.5%
  - 1500VDC I/O isolation
  - Built-in remote ON/OFF control
  - Built-in trimming output
  - Built-in EMI filter
  - Protections: Short circuit / Overload / Input and Output Over voltage
  - Cooling by free 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			12V			15V			
	CURRENT RANGE			166 ~ 1666mA			133 ~ 1333mA			
	RATED POWER									20W
	RIPPLE & NOISE (max.) Note.2			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.)			220uF			100uF			
EXTERNAL TRIM Adj. RANGE(Typ.)			-20 ~ +10%			-20 ~ +10%				
INPUT	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% 88%
	DC CURRENT	Full load			1910mA 970mA 490mA			1910mA 970mA 500mA 1870mA 950mA 490mA		
		No load			80mA 55mA 40mA			35mA 25mA 15mA 35mA 25mA 15mA		
	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	
PROTECTION (Note. 5)	OVER CURRENT									110% ~ 180% 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
	OVER VOLTAGE	Input(Typ.)			A: >20 ~ 23VDC B: >40 ~ 43VDC C: >80 ~ 82VDC input voltage					
Output									Protection type : Shut down o/p voltage, recovers automatically after fault condition is removed	
ENVIRONMENT	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
	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	SAFETY STANDARDS									EAC TP TC 004 approved
	WITHSTAND VOLTAGE									I/P-O/P:1.5KVDC
	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
OTHERS	MTBF									700Khrs min. MIL-HDBK-217F(25°C)
	DIMENSION									50.8*25.4*11.2 mm or 2**1**0.44" inch (L*W*H)
	WEIGHT									31.2g

### Mechanical Specification

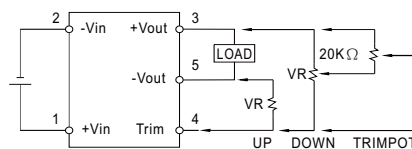


### Pin Configuration

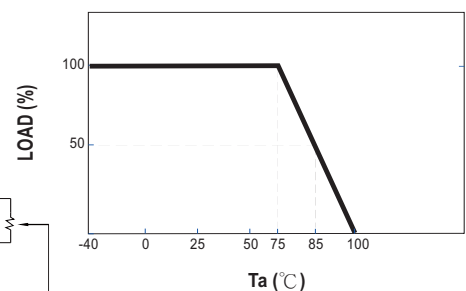
Pin No.	Output	Pin No.	Output
1	+Vin	4	Trim
2	-Vin	5	-Vout
3	+Vout	6	R.C

NOTE: Pin Size is Tolerance 1.0 φ ±0.10mm

### External Output Trimming



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