



Features :

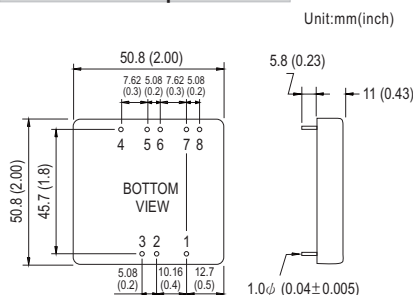
- 2"x2" compact size
- 2:1 wide input range
- High efficiency up to 93%
- 1500VDC I/O isolation
- Built-in remote ON / OFF control
- Built-in remote sense
- Trimming output $\pm 10\%$
- Comply with CE / FCC without external components
- Protections: Short circuit / Overload / Input and output Over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Output 3.3V available
- 2 years warranty



SPECIFICATION

ORDER NO.	SKA60A-05	SKA60B-05	SKA60C-05	SKA60A-12	SKA60B-12	SKA60C-12	SKA60A-15	SKA60B-15	SKA60C-15
OUTPUT	DC VOLTAGE	5V			12V		15V		
	CURRENT RANGE	1.2 ~ 12A			0.5 ~ 5A		0.4 ~ 4A		
	RATED POWER	60W							
	RIPPLE & NOISE (max.) Note.2	60mVp-p			80mVp-p		100mVp-p		
	LINE REGULATION Note.3	$\pm 0.5\%$							
	LOAD REGULATION Note.4	$\pm 0.5\%$							
	VOLTAGE ACCURACY	$\pm 2.0\%$							
	SWITCHING FREQUENCY	250KHz min.							
INPUT	EXTERNAL CAPACITANCE LOAD (max.)	1000uF			220uF		100uF		
	EXTERNAL TRIM Adj. RANGE(Typ.)	$\pm 10\%$							
	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC							
	EFFICIENCY (Typ.)	91%	90.5%	92%	92%	92.5%	92%	92%	92.5%
	DC CURRENT	Full load	5505mA	2775mA	1370mA	5445mA	2715mA	1370mA	5400mA
		No load	185mA	120mA	60mA	160mA	120mA	60mA	160mA
PROTECTION (Note. 5)	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% ~ 160% 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 ~ +70°C (Refer to "Derating Curve")							
	CASE TEMP.	+100°C max.							
SAFETY & EMC	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-55 ~ +105°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	$\pm 0.03\% / ^\circ\text{C}$ (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: 1.5KVDC							
	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 without external components							
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, light industry level, criteria A							
	DIMENSION	50.8*50.8*11.0 mm or 2**2**0.43" inch (L*W*H)							
OTHERS	WEIGHT	67g							

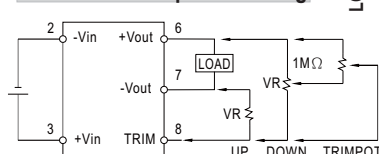
Mechanical Specification



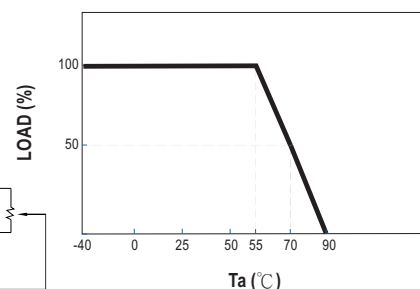
Pin Configuration

Pin No.	Output	Pin No.	Output
1	R.C	5	+R.S
2	-Vin	6	+Vout
3	+Vin	7	-Vout
4	-R.S	8	TRIM

External Output Trimming



Derating Curve



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.