



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

GTIN CODE

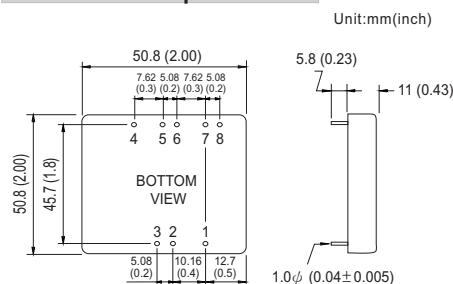
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



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		±0.5%								
	LOAD REGULATION Note.4		±0.5%								
	VOLTAGE ACCURACY		±2.0%								
	SWITCHING FREQUENCY		250KHz min.								
	EXTERNAL CAPACITANCE LOAD (max.)		1000uF			220uF			100uF		
EXTERNAL TRIM Adj. RANGE(Typ.)		±10%									
INPUT	VOLTAGE RANGE		A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC								
	EFFICIENCY (Typ.)		91%	90.5%	92%	92%	92.5%	92%	92%	93%	92.5%
	DC CURRENT	Full load	5505mA	2775mA	1370mA	5445mA	2715mA	1370mA	5400mA	2690mA	1370mA
		No load	185mA	120mA	60mA	160mA	120mA	60mA	160mA	120mA	85mA
	FILTER		Pi network								
	REMOTE CONTROL PROTECTION		Power ON : R.C ~ -Vin > 2.5VDC or open circuit ; Power OFF : R.C ~ -Vin < 0.5VDC or short Fuse recommended								
PROTECTION (Note. 5)	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								
	OVER VOLTAGE	Input(Typ.)	A: >20 ~ 25VDC B: >40 ~ 50VDC C: >80 ~ 100VDC input voltage Protection type : Shut down o/p voltage, recovers automatically after fault condition is removed								
		Output(Typ.)	5Vo : 7V ~ 8.95V ; 12Vo : 15V ~ 19.2V ; 15Vo : 18V ~ 23.3V Protection type : Clamp by TVS diode								
	ENVIRONMENT	WORKING TEMP.		-40 ~ +70℃ (Refer to "Derating Curve")							
CASE TEMP.		+100℃ max.									
WORKING HUMIDITY		20% ~ 90% RH non-condensing									
STORAGE TEMP., HUMIDITY		-55 ~ +105℃, 10 ~ 95% RH									
TEMP. COEFFICIENT		±0.03% / ℃ (0 ~ 50℃)									
VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
SAFETY & EMC	SAFETY STANDARDS		EAC TP TC 020/2011 (EAC TP TC 004 for 48Vin type only) approved								
	WITHSTAND VOLTAGE		I/P-O/P:1.5KVDC								
	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH								
	EMC EMISSION		Compliance to BS EN/EN55032 Class A, FCC part 15 Class A without external components, 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	DIMENSION		50.8*50.8*11.0 mm or 2**2**0.43" inch (L*W*H)								
	PACKING		67g : 5pcs/per tube, 200pcs/40 tube/per carton								

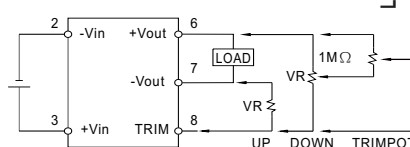
Mechanical Specification



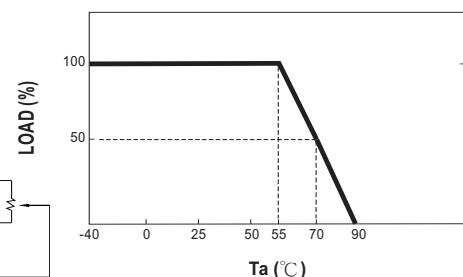
Pin Configuration

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



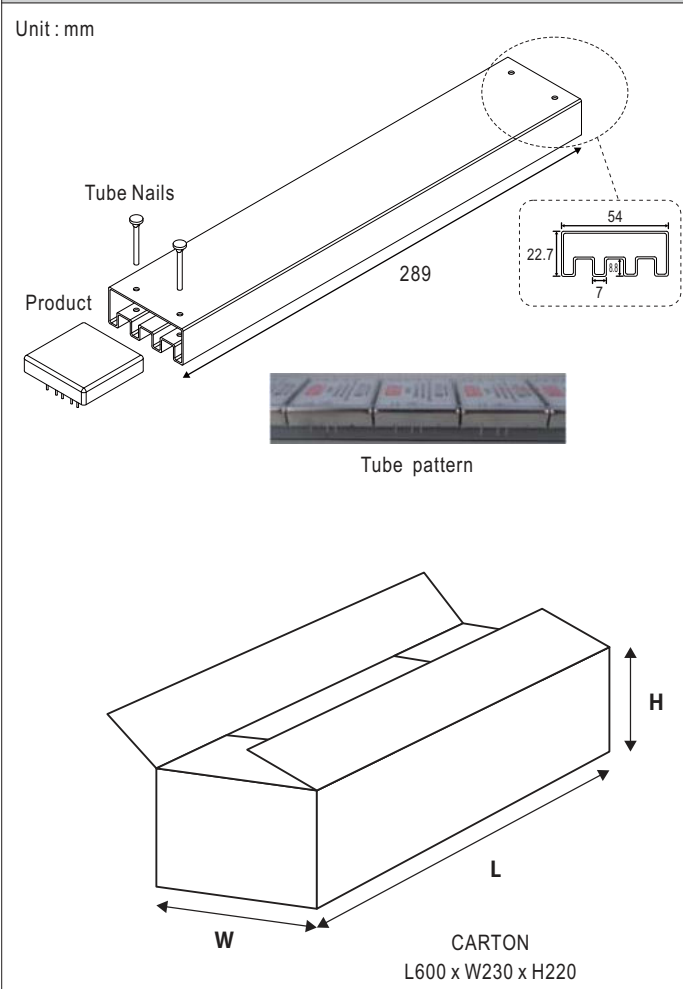
Derating Curve



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

Packing

Standard Tube Packing	MPQ Per Tube (PCS)	One Tube G.W.	Max. Q'TY/ Carton(PCS)	One Carton G.W.
Unit : mm  Tube Nails Product 289 54 22.7 7 Tube pattern CARTON L600 x W230 x H220	5	400g	200	16.8Kg

Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>