



Features :

- 2:1 wide input range
- High efficiency up to 92%
- 1500VDC I/O isolation
- Built-in EMI filter
- Built-in remote ON / OFF control
- Built-in remote sense
- Trimming output $\pm 10\%$
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Output 3.3V/9V available
- Approvals: FCC / EAC / CE / UKCA
- 2 years warranty

GTIN CODE

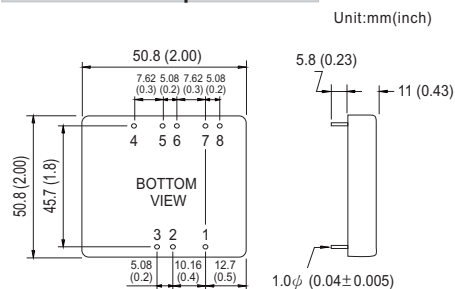
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

SPECIFICATION



ORDER NO.											SKA40A-05	SKA40B-05	SKA40C-05	SKA40A-12	SKA40B-12	SKA40C-12	SKA40A-15	SKA40B-15	SKA40C-15
OUTPUT	DC VOLTAGE		5V			12V			15V										
	CURRENT RANGE		0.7 ~ 7A			0.3 ~ 3.33A			0.26 ~ 2.67A										
	RATED POWER		35W			40W			40W										
	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		200KHz min.																
	EXTERNAL CAPACITANCE LOAD (max.)		1000uF																
EXTERNAL TRIM Adj. RANGE(Typ.)		±10%																	
INPUT	VOLTAGE RANGE		A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC																
	EFFICIENCY (Typ.)		91%	92%	91%	90%	90%	88.5%	90%	90.5%	90%								
	DC CURRENT		Full load A: 3850mA B: 1900mA C: 1000mA																
			No load A: 150mA B: 100mA C: 65mA																
	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																
ENVIRONMENT	OVER VOLTAGE		5Vo : 7V ~ 8.95V ; 12Vo : 15V ~ 19.2V ; 15Vo : 18V ~ 23.3V Protection type : Clamp by TVS diode																
	WORKING TEMP.		-40 ~ +80℃ (Refer to "Derating Curve")																
	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, 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		50g : 5pcs/per tube, 200pcs/40 tube/per carton																

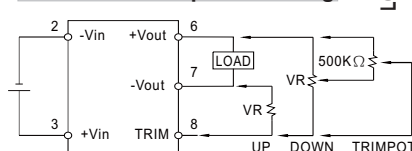
Mechanical Specification



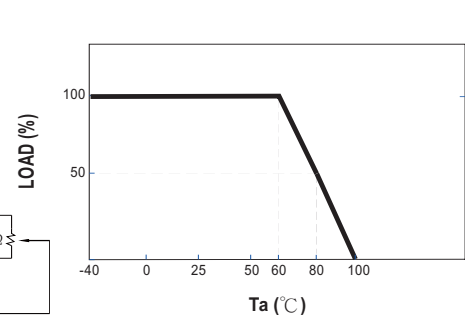
Pin Configuration

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



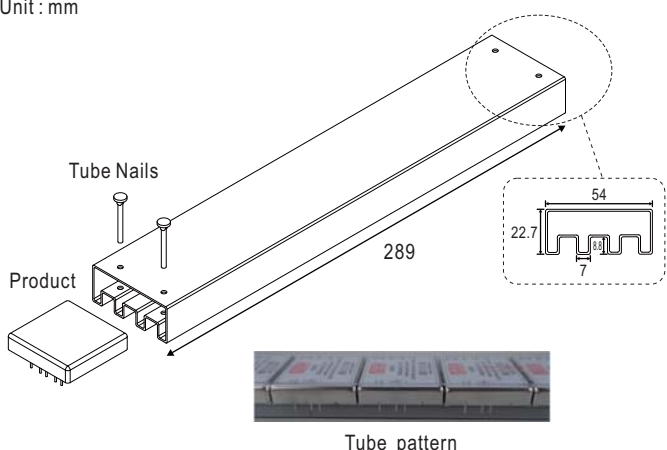
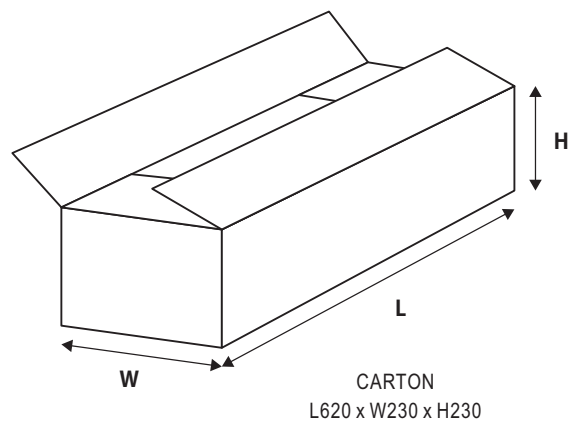
Derating Curve



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 and 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 pattern  CARTON L620 x W230 x H230	5	320g	200	13.6Kg

Installation Manual

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

Mouser Electronics

Authorized Distributor

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