



Features :

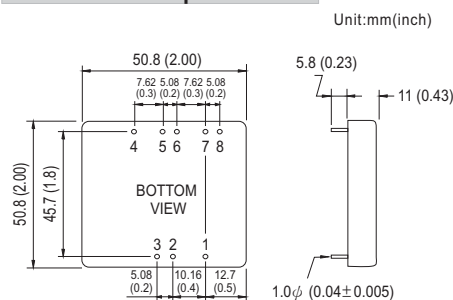
- 2:1 wide input range
- High efficiency up to 92%
- 1500VDC I/O isolation
- Built-in EMI filter
- Built-in remote ON / OFF control
- Built-in remote sense
- Trimming output $\pm 0\%$
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Output 3.3V/9V available
- Approvals: FCC / EAC / CE / UKCA
- 2 years warranty



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	$\pm 0.5\%$			$\pm 0.5\%$			$\pm 0.5\%$	
	LOAD REGULATION Note.4	$\pm 0.5\%$			$\pm 0.5\%$			$\pm 0.5\%$	
	VOLTAGE ACCURACY	$\pm 2.0\%$			$\pm 2.0\%$			$\pm 2.0\%$	
	SWITCHING FREQUENCY	200KHz min.			200KHz min.			200KHz min.	
	EXTERNAL CAPACITANCE LOAD (max.)	1000uF			1000uF			1000uF	
INPUT	EXTERNAL TRIM Adj. RANGE(Typ.)	$\pm 10\%$			$\pm 10\%$			$\pm 10\%$	
	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC			A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC			A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC	
	EFFICIENCY (Typ.)	91%	92%	91%	90%	90%	88.5%	90%	90.5%
	DC CURRENT	Full load	A: 3850mA	B: 1900mA	C: 1000mA	Full load	A: 3850mA	B: 1900mA	C: 1000mA
	NO LOAD	A: 150mA	B: 100mA	C: 65mA	NO LOAD	A: 150mA	B: 100mA	C: 65mA	NO LOAD
	FILTER	Pi network			Pi network			Pi network	
PROTECTION (Note. 5)	REMOTE CONTROL	Power ON : R.C ~ -Vin > 2.5VDC or open circuit ; Power OFF : R.C ~ -Vin < 0.5VDC or short			Power ON : R.C ~ -Vin > 2.5VDC or open circuit ; Power OFF : R.C ~ -Vin < 0.5VDC or short			Power ON : R.C ~ -Vin > 2.5VDC or open circuit ; Power OFF : R.C ~ -Vin < 0.5VDC or short	
	PROTECTION	Fuse recommended			Fuse recommended			Fuse recommended	
	OVER CURRENT	110% ~ 180% rated output power			110% ~ 180% rated output power			110% ~ 180% rated output power	
	SHORT CIRCUIT	All output equipped with short circuit			All output equipped with short circuit			All output equipped with short circuit	
ENVIRONMENT	OVER VOLTAGE	5Vo : 7V ~ 8.95V ; 12Vo : 15V ~ 19.2V ; 15Vo : 18V ~ 23.3V			5Vo : 7V ~ 8.95V ; 12Vo : 15V ~ 19.2V ; 15Vo : 18V ~ 23.3V			5Vo : 7V ~ 8.95V ; 12Vo : 15V ~ 19.2V ; 15Vo : 18V ~ 23.3V	
	WORKING TEMP.	-40 ~ +80°C (Refer to "Derating Curve")			-40 ~ +80°C (Refer to "Derating Curve")			-40 ~ +80°C (Refer to "Derating Curve")	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing			20% ~ 90% RH non-condensing			20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-55 ~ +105°C, 10 ~ 95% RH			-55 ~ +105°C, 10 ~ 95% RH			-55 ~ +105°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	$\pm 0.03\% / ^\circ\text{C}$ (0 ~ 50°C)			$\pm 0.03\% / ^\circ\text{C}$ (0 ~ 50°C)			$\pm 0.03\% / ^\circ\text{C}$ (0 ~ 50°C)	
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			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			EAC TP TC 020/2011 (EAC TP TC 004 for 48Vin type only) approved			EAC TP TC 020/2011 (EAC TP TC 004 for 48Vin type only) approved	
	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVDC			I/P-O/P: 1.5KVDC			I/P-O/P: 1.5KVDC	
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH			I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH			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			Compliance to BS EN/EN55032 Class A, FCC part 15 Class A, EAC TP TC 020			Compliance to BS EN/EN55032 Class A, FCC part 15 Class A, EAC TP TC 020	
OTHERS	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, light industry level, criteria A, EAC TP TC 020			Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, light industry level, criteria A, EAC TP TC 020			Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, light industry level, criteria A, EAC TP TC 020	
	DIMENSION	50.8*50.8*11.0 mm or 2**2**0.43" inch (L*W*H)			50.8*50.8*11.0 mm or 2**2**0.43" inch (L*W*H)			50.8*50.8*11.0 mm or 2**2**0.43" inch (L*W*H)	
	WEIGHT	60g			60g			60g	

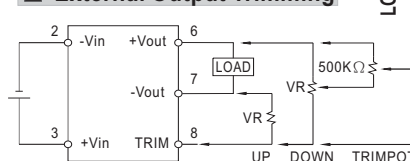
Mechanical Specification



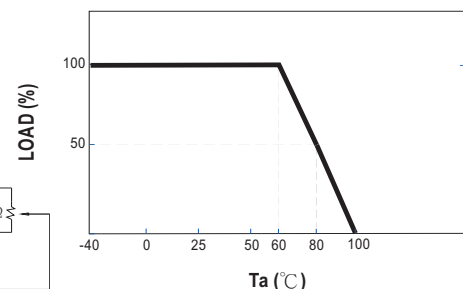
Pin Configuration

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>