

SPECIFICATION



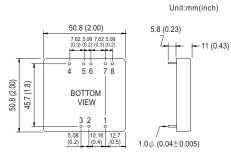
■ Features :

- 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 ouput ±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

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LOAD REGULATION Note.4 ±0.5 %	ORDER NO.		SKA40A-05	SKA40B-05	SKA40C-05	SKA40A-12	SKA40B-12	SKA40C-12	SKA40A-15	SKA40B-15	SKA40C-15
RATED POWER SISW	ОИТРИТ	DC VOLTAGE	5V			12V			15V		
Note: 15		CURRENT RANGE	0.7 ~ 7A			0.3 ~ 3.33A			0.26 ~ 2.67A		
LINE REGULATION Note.3 ±0.5%		RATED POWER	35W			40W			40W		
LOAD REGULATION Note.4 ±0.5 %		RIPPLE & NOISE (max.) Note.2	60mVp-p			80mVp-p			100mVp-p		
VOLTAGE ACCURACY ±2.0% SWITCHING FREQUENCY 200KHz min.		LINE REGULATION Note.3	±0.5%	:0.5%							
SWITCHING FREQUENCY 200KHz min. 1000UF 200KHz min. 1000UF 200KHz min. 1000UF 200KHz min. 1000UF 200KHz min.		LOAD REGULATION Note.4	±0.5%								
EXTERNAL CAPACITANCE LOAD (max.) 1000uF		VOLTAGE ACCURACY	±2.0%								
EXTERNAL TRIM Adj. RANGE(Typ.) ±10% 10		SWITCHING FREQUENCY	200KHz min.								
VOLTAGE RANGE											
EFFICIENCY (Typ.) 91% 92% 91% 90% 90% 88.5% 90% 90.5% 90%											
DC CURRENT	INPUT	VOLTAGE RANGE								_	
No load		EFFICIENCY (Typ.)	91%	1	1	1	90%	88.5%	90%	90.5%	90%
No load		DC CURRENT			B: 1900mA	C: 1000mA					
REMOTE CONTROL PROTECTION PROTECTION Fuse recommended OVER CURRENT OVER CURRENT OVER CURRENT OVER CURRENT OVER CURRENT SHORT CIRCUIT SHORT Fisher exposers automatically after fault condition is removed All output equipped with short circuit Protection type: Hiccup mode, recovers automatically after fault condition is removed OVER VOLTAGE SV0: 7V ~ 8.95V; 12V0: 15V ~ 19.2V; 15V0: 18V ~ 23.3V Protection type: Clamp by TVS diode WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes SAFETY & EMC WITHSTAND VOLTAGE WITHSTAND VOLTAGE WP-O/P: 1.5KVDC ISOLATION RESISTANCE 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 DIMENSION OVER CURRENT 110% ~ 180% rated output power Protection type: Clamp by TVS diode All output equipped with short circuit Protection type: Floury and the fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed All output equipped with short circuit Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: Hiccup mode, recovers automatically after fault			No load A: 150mA B: 100mA C: 65mA								
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PROTECTION (Note. 5) Protection type: Hiccup mode, recovers automatically after fault condition is removed All output equipped with short circuit Protection type: Hiccup mode, recovers automatically after fault condition is removed OVER VOLTAGE SVO: 7V ~ 8.95V; 12Vo: 15V ~ 19.2V; 15Vo: 18V ~ 23.3V Protection type: Clamp by TVS diode WORKING TEMP. WORKING HUMIDITY 20% ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY 55 ~ +105°C, 10 ~ 95% RH TEMP. COEFFICIENT 10.03% / °C (0 ~ 50°C) VIBRATION 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 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 OTHERS		PROTECTION									
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SHORT CIRCUIT											
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WORKING TEMP.	(11010.0)	OVER VOLTAGE									
## WORKING HUMIDITY 20% ~ 90% RH non-condensing ## STORAGE TEMP., HUMIDITY -55 ~ +105°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 STANDARDS EAC TP TC 004 approved ## WITHSTAND VOLTAGE I/P-O/P:1.5KVDC ## SOLATION 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 OTHERS			7 7 7								
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TEMP. COEFFICIENT	FNVIDONMENT		·								
VIBRATION	ENVIRONMENT	,	-,								
SAFETY & WITHSTAND VOLTAGE I/P-O/P:1.5KVDC I/P-O/P:1.5KVDC I/P-O/P:1.5KVDC I/P-O/P:1.00M Ohms / 500VDC / 25°C / 70% RH I/P-O/P:100M Ohms / 500			- (/								
WITHSTAND VOLTAGE	SAFETY & EMC	-	3 11								
SAFETY & ISOLATION RESISTANCE I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH EMC 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)			11								
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 OTHERS											
EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020 OTHERS OTHERS OTHERS											
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OTHERS	OTHERS		-				• , , ,	,			
		WEIGHT				,					

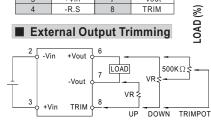
■ Mechanical Specification



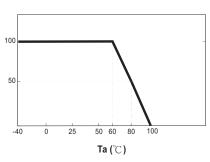
■ Pin Configuration

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