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■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



SPECIFIC	ATION							C	UL62368-1 E	3S EN/EN62368-	1 IEC62368-1	TPTC004	C C	
MODEL		RT-50A			RT-50B			RT-50C			RT-50D			
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V	
	RATED CURRENT	4A	2A	0.5A	4A	2A	0.5A	4A	1.5A	0.5A	3A	1A	1A	
	CURRENT RANGE Note.3	0 ~ 5A	0 ~ 2.5A	0 ~ 1A	0 ~ 5A	0 ~ 2.5A	0 ~ 1A	0 ~ 5A	0 ~ 2A	0 ~ 1A	0 ~ 5A	0 ~ 1.5A	0 ~ 1A	
	RATED POWER	46.5W			50W			50W			51W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p 120mVp-p 100mVp-p		80mVp-p 120mVp-p 120mVp-p		80mVp-p 120mVp-p 120mVp-p		80mVp-p 150mVp-p 120m\		120mVp				
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			
	VOLTAGE TOLERANCE Note.3	±2.0% ±8.0% ±3.0%		±3.0%	±2.0% ±8.0% ±3.0%			±2.0% ±8.0% ±3.0%			±2.0% ±8.0% ±6.0%			
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±2.0%	±2.0%	
	LOAD REGULATION Note.5	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±4.0%	
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load												
	HOLD UP TIME (Typ.)	60ms/230VAC 10ms/115VAC at full load												
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)												
	FREQUENCY RANGE	47 ~ 63Hz												
	EFFICIENCY (Typ.)	75.5%			75.5%	75.5%			76%			78%		
	AC CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START 48A/230VAC												
	LEAKAGE CURRENT	<2mA/240VAC												
PROTECTION		110 ~ 150% rated output power												
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
		CH1: 5.75 ~ 6.75V												
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")												
	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT	±0.03%/°	±0.03%/°C (0 ~ 50°C)on +5V output											
	VIBRATION	10 ~ 500H	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes											
SAFETY & EMC (Note 6)	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved												
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC												
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH												
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020												
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035,BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, EAC TP TC 02												
OTHERS	MTBF	2788.1K hrs min. Telcordia SR-332 (Bellcore); 504.7K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	99*97*36mm (L*W*H)												
	PACKING	0.41Kg; 4	5pcs/19.5k	(g/0.94CUF	T									
NOTE	Ripple & noise are measure Tolerance : includes set up Line regulation is measurec Load regulation is measure The power supply is consid	0.41Kg; 45pcs/19.5Kg/0.94CUFT Ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Be at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 \(\mu \) F & 47 \(\mu \) F parallel capacitor. Be tolerance, line regulation and load regulation, when multi-channel output, it is recommended that CH1 load > 10%. Construct the from low line to high line at rated load. Be to from 0% to 100% rated load. Be to component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on the with 1 mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to												

- 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."

 (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- % Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



