

Model: OT45NA Series

Approvals : CE

45 Watts Triple output

Features:

Size : 101.6 * 50.8 * 30 mm (L*W*H)

- * Universal AC input 90~264Vac.
- * High efficiency design .
- * 2"*4" miniature size.
- * Built-in constant current limiting design.
- * Operation from -20°C~50°C full load.
- * Protections: SCP / OVP / OLP .
- * Main electrolytic capacitors is used 105 °C



Specifications:

Model No.		OT45NA-3			OT45NA-4		
Output	Output Channel	V1	V2	V3	V1	V2	V3
	DC Voltage	5V	12V	-12V	5V	15V	-15V
	Rated Current Range	0-3A	0-2A	0-0.5A	0-3A	0-1.5A	0-0.5A
	Rated Maximum Power	15W	24W	6W	15W	22.5W	7.5W
	Total output power	45W			45W		
	Ripple & Noise (max)	50mV	120mV	100mV	50mV	120mV	120mV
	Efficiency	79%			80%		
	Voltage Tolerance	±2%	±6%	±6%	±2%	±6%	±6%
	Rise Time	<20ms at full load					
	Set up Time	<800ms at full load					
Hold Time	60ms/230Vac 15ms/115vac at full load						
Input	Voltage Range	90 Vac ~ 264 Vac or 127-370VDC					
	Frequency Range	47 Hz ~ 63 Hz					
	AC Current	1A@110VAC / 0.7A@230VAC					
	Inrush Current	15A at 115VAC / 30A at 230 VAC cold start					
	Leakage Current	<0.75mA / 240 Vac					
Protections	Over Load	over 110-130% output rating current by constant current mode . recovers automatically after fault condition has been removed.					
	Over Current	3.3-3.6A	2.2-2.4A	0.55-0.6A	3.3-3.6A	1.65-1.8A	0.55-0.6A
	Short Circuit	hiccup mode . recovers automatically after fault condition has been removed.					
	Over Voltage	5.7-6.25V	13.8-15V	Zener diode clamp	5.75-6.25V	17.2-18.7V	Zener diode clamp
		Shutdown output voltage , re-power on to restart					
Environment	Operation Temp.	-20°C~50°C full load , de-rating : 51-70 °C 2.5% / °C.					
	Operation Humidity	20% ~ 90% RH non-condensing.					
	Storage Temp.	-40 ~ +80°C					
	Storage Humidity	10% ~ 90% RH					
	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.					
Safety & EMC	Safety Standards	UL60950-1 , compliance.					
	Withstand Voltage	I/P - O/P: 3 K VAC I/P - FG: 1.5KVAC O/P - FG: 0.5KVAC					
	Isolation Resistance	>100M ohms / 500VDC at 25 °C.					
	EMI Conduction&Radiation	EN55022 class B, FCC part 15 / CISPR22 class B,					
	Harmonic Current	EN61000-3-2, -3					
EMS Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11 Light industry level, criteria A						
Others	MTBF	680k hours minimum.MIL-HDBK-217F(25°C)					
	Dimension(L*W*H)	101.6*50.8*30mm					
	Packing(L*W*H)/Carton						
	Weight	0.15KG/PCS N.W: 15.4KG/Carton					
Remark	1. All specification measured at 230 vac input and 25 °C ambient . 2. Ripple & noise are measured at 20MEZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor.						