

**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-1			OT45NA-2		
Output	Output Channel	V1	V2	V3	V1	V2	V3
	DC Voltage	3.3V	5V	12V	5V	12V	-5V
	Rated Current Range	0~4A	0~4A	0~1A	0~4A	0~2A	0~0.5A
	Rated Maximum Power	13.2W	20W	12W	20W	24W	2.5W
	Total output power	45.2w			46.5W		
	Ripple & Noise (max)	50mV	50mV	100mV	50mV	120mV	50mV
	Efficiency	76%			78%		
	Voltage Tolerance	±2%	±6%	±6%	±2%	±6%	±6%
	Rise Time	<25ms 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	4.4~4.8A	4.4~4.8A	1.1~1.2A	4.4~4.8A	2.2~2.4A	0.55~0.6A
	Short Circuit	hiccup mode . recovers automatically after fault condition has been removed.					
	Over Voltage	3.8~4.1V	5.75~6.25V	Zener diode clamp	5.75~6.25V	13.8~15V	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	280k 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.						