

Model: OS25NA Series

Approvals : CE

25 Watts single output

Features:

Size : 101 * 50.8 * 30 mm (L*W*H)

- * Universal AC input 90~264Vac.
- * High efficiency design .
- * Leakage current < 0.5mA.
- * Built-in constant current limiting design.
- * Operation from -20℃~50℃ full load.
- * Protections: SCP / OVP / OLP .
- * No load power consumption < 0.5W.
- * Main electrolytic capacitors is used 105 °C



Specifications:

Model No.		OS25NA-3.3	OS25NA-5	OS25NA-12	OS25NA-15	OS25NA-24	OS25NA-48
Output	DC Voltage	3.3V	5V	12V	15V	24V	48V
	Rated Current Range	0~5A	0~5A	0~2.1A	0~1.7A	0~1A	0~0.5A
	Rated Max. Power	16.5W	25W	25W	25W	24W	24W
	Ripple & Noise (max)	70mV	70mV	100mV	100mV	200mV	300mV
	Efficiency	70%	75%	80%	81%	83%	85%
	Voltage Adjustment Range	3.1~3.6V	4.5~5.5V	11~13V	13.5~16.5V	22~27V	43~52V
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%
	Rise Time	<30ms at full load					
	Set up Time	<500ms 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	0.6A@110VAC / 0.4A@230VAC					
	Inrush Current	36A at 115VAC / 60A at 230 VAC					
	Leakage Current	<0.5mA / 240 Vac					
Protections	Over Load	over 110~130% output rating current by constant current mode . recovers automatically after fault condition has been removed.					
	Short Circuit	hiccup mode . recovers automatically after fault condition has been removed.					
	Over Voltage	3.8~4.5V	5.75~6.5V	14~16V	17.3~21V	29~33.6V	55~65V
Environment	Operation Temp.	-20℃~50℃ full load , de-rating : 51-60 °C 2.5% / °C.					
	Operation Humidity	20% ~ 90% RH non-condensing.					
	Storage Temp.	-40 ~ +80℃					
	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					
Others	EMS Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11 Light industry level, criteria A					
	MTBF	580k hours min. MIL-HDBK-217F(25℃)					
	Dimension(L*W*H)	101*50.8*30mm					
	Packing(L*W*H)/Carton						
Remark	Weight	0.15KG/PCS N.W: 15.4KG/Carton					
		1. All specification measured at 230 vac input and 25 °C ambient . 2. Ripple & noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor.					