

## 7.5V1A AC-DC External Power Supplies Adapter

### Features

- Meet Efficiency Level VI requirements
- Universal AC Input / Full range 100-240V
- No Load power consumption  $\leq 0.21W$
- Wall-Mounted Type
- Class II Power
- Protection: Short circuit/ Overload
- Fully enclosed plastic case



### Key Market Segments & Applications



Industrial



Test



COMM



Broadcast

ROHS

### Specifications

Input Voltage Range	VAC	100-240Vac 50/60Hz
Inrush Current at 110VAC, 25°C	A	
Input Current(Max)	A	0.5A(100VAC Input)
Power Factor	-	Meets EN61000-3-2
Leakage Current(220VAC 60Hz)	mA	
Hold Up Time at 110VAC input, full load	ms	
Temperature Coefficient	°C	$\pm 0.05\%/^{\circ}C$
Voltage Accuracy	%	$\pm 2\%$
Adjustment Range	-	None
Min. Load	A	None
Total Regulation	-	$\pm 5\%$
Ripple & Noise	mV	120mV
Short Circuit Protection	%	Continuous - hiccup mode
Over Voltage Protection	°C	110-150% of nominal (Cycle input power to reset)
Efficiency at Average Load	-	88% min
Operation Temperature	-	0 to +60°C, derating linearly to 50% load above 40°C
Storage Temperature	-	-10 to +85°C
Humidity (non condensing)	-	10-90% RH
Cooling	-	Convection
Withstand Voltage	-	Input to Ground 1.5kVAC, Input to Output 3kVAC (Output is connected to Ground)
Vibration (non condensing)	-	23.52m/s <sup>2</sup> (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	< 196.1 m/s <sup>2</sup> (20G)
Safety Agency Certifications	-	UL60950-1, EN609501-1, IEC60950-1, CE Mark
DOE Regulation	-	VI
Off-Load Power Consumption	mW	<210mW

Conducted & Radiated EMI	-	EN55023-B, FCC Class B
Immunity	-	EN55024
Weight	G	110g
Size(WxLxH)	mm	74x59x27mm
Cable Length and Thickness	mm	610mm
AC Input Connector	-	US AC Plug (Accept more request)
Output Connector	mm	1/4"x2C Faston Connector (Accept more request)
MTBF 100%, 25°C	Hours	50,000 hours
Warranty	Years	3 years

## Output Ratings

Model	Output (V)	Output Max. (A)	Power Max. (W)	DOE VI
YHY-07501000	7.5	1	7.5	√

## Outline Drawing

ITEM NO.	DESCRIPTION
1	US Wall Mounted Power adapter
2	DC Output cable UL2464 24AWG X 2C 610±20mm
3	DC Connector: 2x1/4" faston , Red wire Negative , Black Positive

