

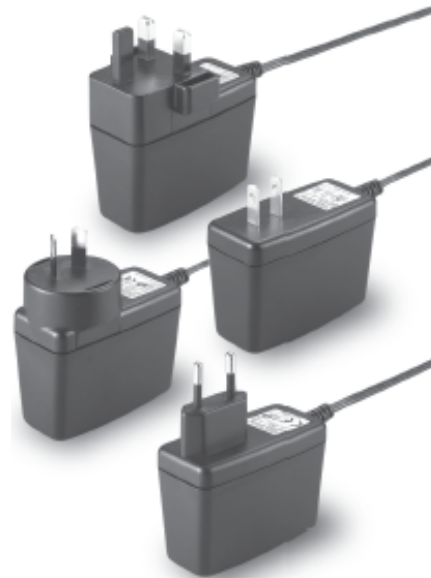


TR500 SERIES 6W SWITCHING ADAPTER



Features

- * Universal Input Range 90-264VAC
- * Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- * Continuous Short Circuit Protection
- * Over Current Protection



Ordering information

TR5XX	- X	- XX	X	XX
Model No.	AC Plug Type	DC Plug Type		DC Cable Length and Type
	A: USA 2 Pin	* Please see	A: Without OVP Option	01: 720mm
	E: Europe 2 Pin	Page 213 for		02: 1200mm
	U: British 3 Pin	more detailed		03: 1800mm
	S: Australia 2 Pin	descriptions		11: 7200mm with Ferrite Core
				12: 1200mm with Ferrite Core
				13: 1800mm with Ferrite Core
				* 20AWG / UL2468

"Go to www.cincon.com for additional technical information"

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TR501	12V	500mA	0A	1%	±3%	±1%	±2%	47~125KHz Typ.	67%Typ.
TR502	10V	600mA	0A	1%	±3%	±1%	±2%	46~127KHz Typ.	67%Typ.
TR503	9V	650mA	0A	1%	±3%	±1%	±2%	47~128.2KHz Typ.	67%Typ.
TR506	8V	650mA	0A	1%	±3%	±1%	±3%	47~129.3KHz Typ.	67%Typ.
TR507	7.5V	650mA	0A	1%	±3%	±1%	±3%	48~130.2KHz Typ.	68%Typ.
TR508	7.0V	650mA	0A	1%	±3%	±1%	±3%	47.5~128KHz Typ.	68%Typ.
TR510	6.5V	650mA	0A	1%	±3%	±1%	±3%	49~130KHz Typ.	67%Typ.
TR511-1	6.0V	1000mA	0A	1%	±3%	±1%	±4%	52~192KHz Typ.	67%Typ.
TR513-1	5.0V	1200mA	0A	1%	±3%	±1%	±4%	47~166KHz Typ.	67%Typ.
TR514	4.2V	1000mA	0A	1%	±3%	±1%	±4%	37.9~142.9KHz Typ.	65%Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 50 to 60Hz
 Input Current 0.5A max.
 Inrush Current 30A max. @264Vac
 Isolation Input to output = 4,242VDC
 Leakage Current 0.25mA max.

OUTPUT SPECIFICATIONS:

Holdup Time 10mS typ. @115Vac
 Short Circuit Protection Continuous(Auto Recovery)
 Over Current Protection Constant Current Type

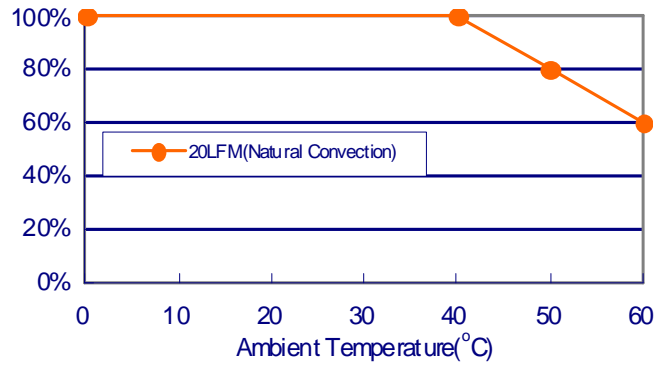
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature 0 ~ 40°C
 Storage Temperature -20 ~ 85°C
 Cooling Natural Convection

MECHANICAL CHARACTERISTICS:

Dimensions 2.835x2.047x1.378inches (72.00x52.00x35.00mm)
 Weight 135g (0.30 Pounds)

TR500 Series Derating Curve

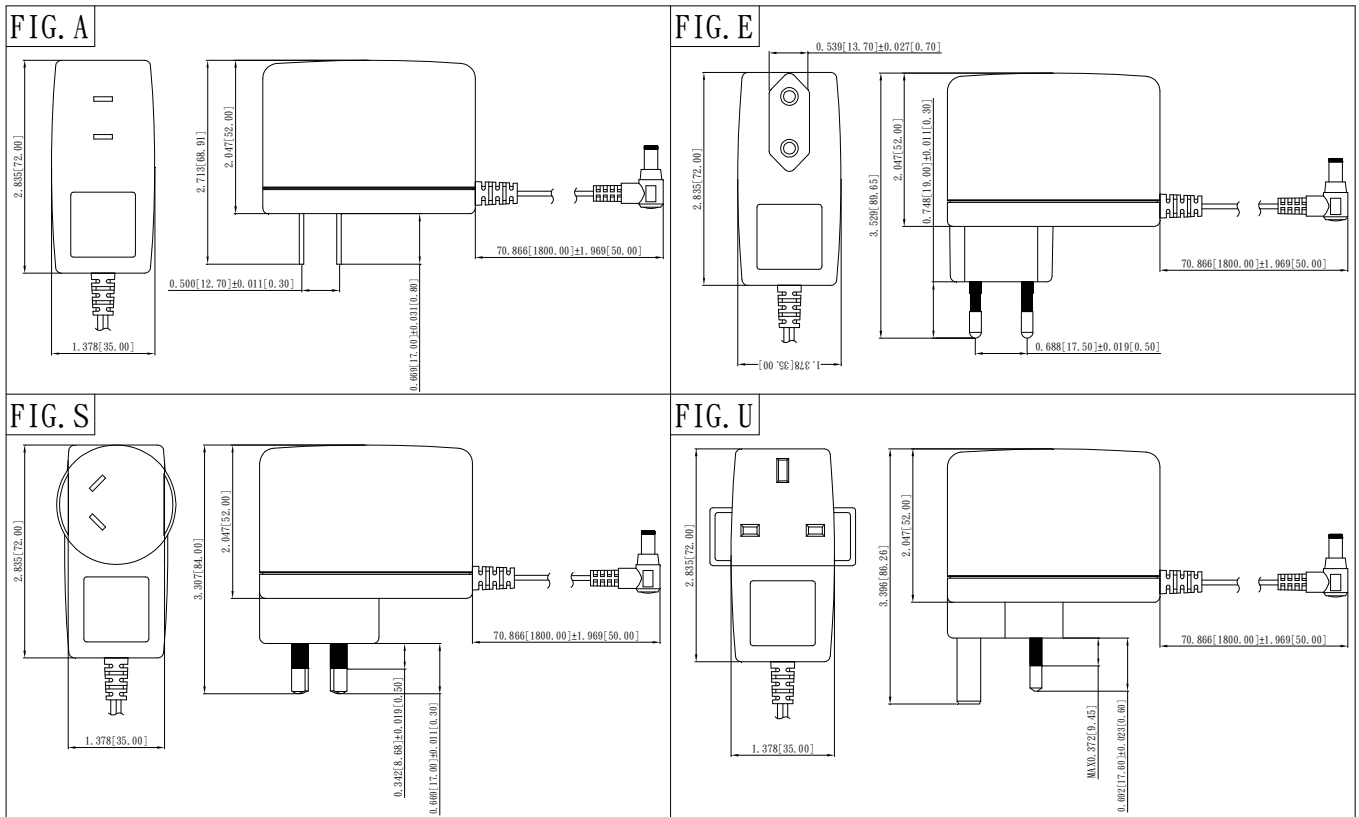


NOTE:

1. Voltage setpoint at 60% full Load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac, full load.
4. Load regulation is measured from 60% to full load and from 60% to 20% load (60% +/- 40% load)

Mechanical Specification

All Dimensions are in inches(mm)
 Tolerance: Inches:X.XXX±0.02
 Millimeters:X.XX±0.5



Typical at 25°C, nominal line and 75% load, unless otherwise Specified

Revision History

Revision Version	Date	Change Description	Signature
V10	96.06.06	New Release	Joyce