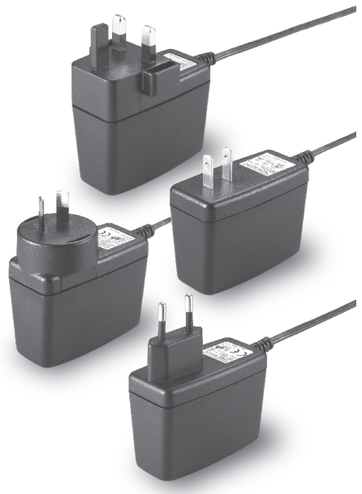
TRG500 SERIES

6W SWITCHING ADAPTER



Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Lengt≤1800mm)

Ordering information

TRG5XX -	X -	XX	X	XX
Model No.	**AC Plug Type**	**DC Plug Type**	**OVP**	**DC Cable Length and Type**
	A : USA 2 Pin E : Europe 2 Pin U : British 3 Pin S : Australia 2 Pin	* Please see Page235 for more detailed descriptions	E : With OVP	01 : 720mm 02 : 1200mm 03 : 1800mm 11 : 720mm with Ferrite Core 12 : 1200mm with Ferrite Core 13 : 1800mm with Ferrite Core * 20AWG / UL2468

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF
TRG501	12V	500mA	0A	1%	± 3%	± 1%	± 2%	120~144KHz Typ.	68% Typ.
TRG502	10V	600mA	0A	1%	± 3%	± 1%	± 2%	120~144KHz Typ.	68% Typ.
TRG503	9V	650mA	0A	1%	± 3%	± 1%	± 2%	120~144KHz Typ.	68% Typ.
TRG506	8V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG507	7.5V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG508	7.0V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG510	6.5V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG511-1	6.0V	1000mA	0A	1%	± 3%	± 1%	± 4%	120~144KHz typ.	67% Typ.
TRG513-1	5.0V	1200mA	0A	1%	± 3%	± 1%	± 4%	120~144KHz typ.	66% Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage .....90 ~ 264Vac
Frequency .....47 to 63Hz
Input Current .....0.5A max.
Inrush Current.....40A max. @240Vac
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 Voltage Protection.....Yes

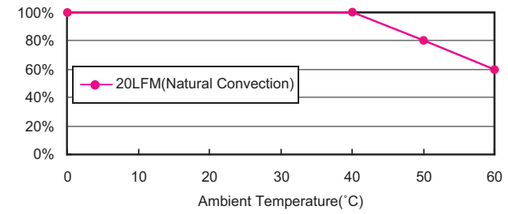
ENVIRONMENTAL CHARACTERISTICS:

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

MECHANICAL CHARACTERISTICS:

Dimensions .....72.00 x 52.00 x 35.00mm(2.835 x 2.047 x 1.378 Inches)
Weight 135g (0.30Pounds)

TRG500 Series Derating Curve



NOTE:

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

Mechanical Specification

All Dimensions In Inches(mm)
Tolerance Inches: x.xxx= ±0.02
Millimeters: x.xx= ±0.5

FIG.A

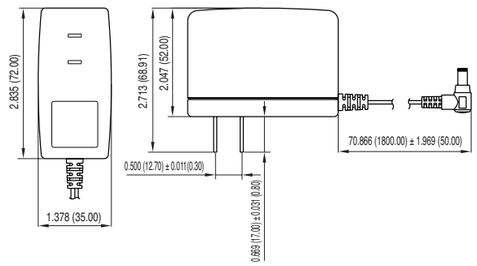


FIG.E

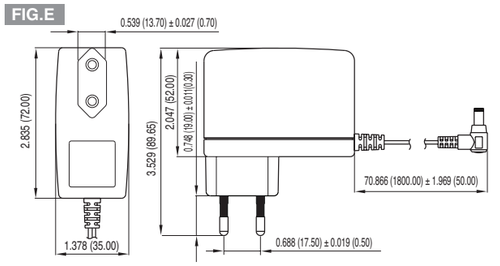


FIG.S

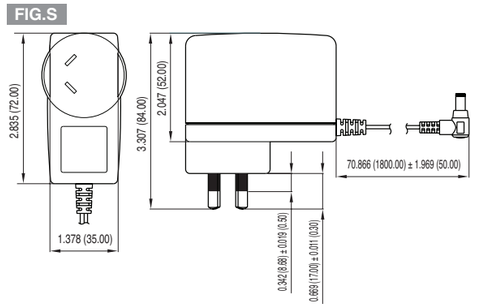
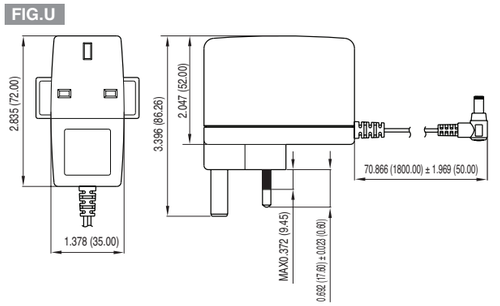


FIG.U



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