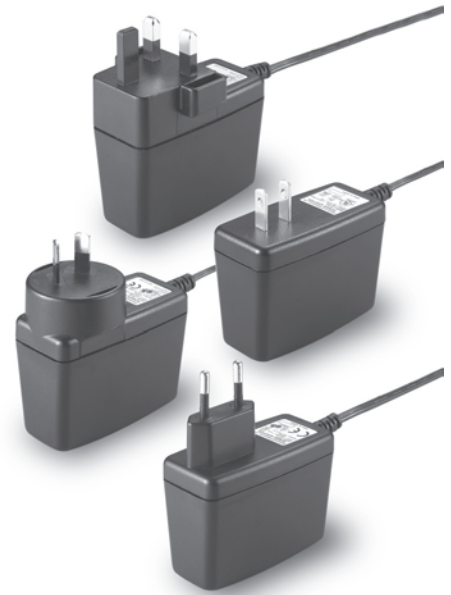


TRG500V

S E R I E S

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
- Meet CEC & ErP Level V (Output cable length $\leq 1800\text{mm}$)

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 Page215 for more detailed descriptions	E: With OVP	01 : 720mm 02 : 1220mm 03 : 1800mm 11 : 720mm with Ferrite Core 12 : 1220mm 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	%EFF. (Typ.)
TRG501-15V	15V	400mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG501V	12V	500mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG502V	10V	600mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG503V	9V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG506V	8V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG507V	7.5V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG508V	7.0V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG510V	6.5V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG511-1V	6.0V	1000mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	67%
TRG513-1V	5.0V	1200mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	66%

Specifications

INPUT SPECIFICATIONS:

Voltage	90-264Vac
Frequency	50 to 60Hz
Input Current	0.5A max.
Inrush Current	50A max. @240Vac
Leakage Current	0.25mA max.

OUTPUT SPECIFICATIONS:

Holdup Time	10ms typ. @115Vac
Short Circuit Protection	Continuous(Auto Recovery)
Over Voltage Protection	Yes
Temperature Coefficient	±0.05%/°C

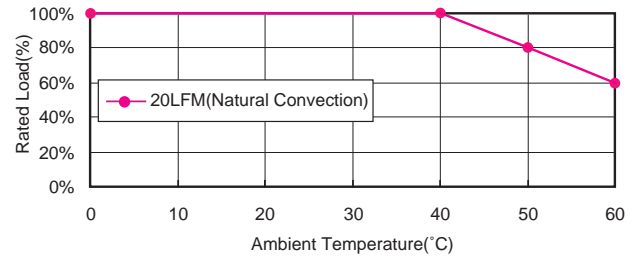
GENERAL SPECIFICATIONS:

Isolation	Input to output = 4,242VDC
Operating Temperature	0 ~ 60°C (see derating curve)
Storage Temperature	-20 ~ 85°C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	100kHz Typical
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC 200K hrs min.
Altitude	2000m
Dimensions	2.835x2.047x1.378inches (72.00x52.00x35.00mm)
Weight	135g (0.30Pounds)

SAFETY AND EMC:

Emission and Immunity	EN55022 Class B, FCC Part15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety	IEC60950-1, EN60950-1, UL60950-1

TRG500V Series Derating Curve



NOTE:

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

TRG500V

Mechanical Specification

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

FIG.A

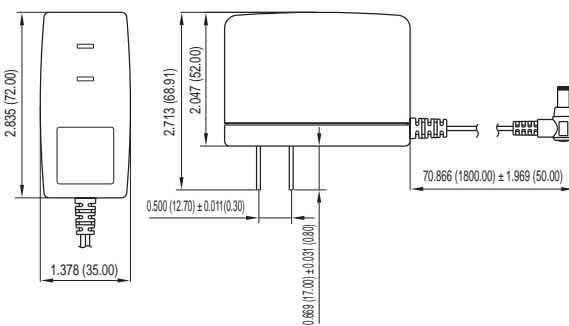


FIG.E

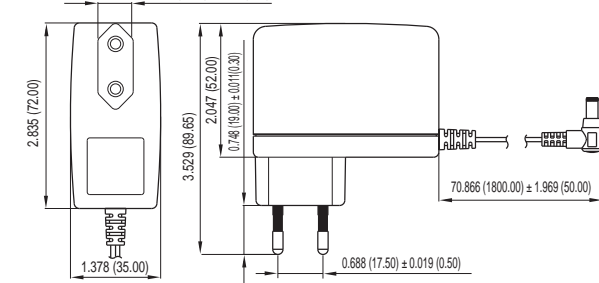


FIG.S

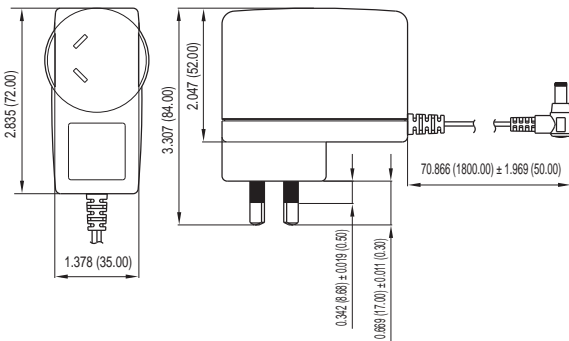
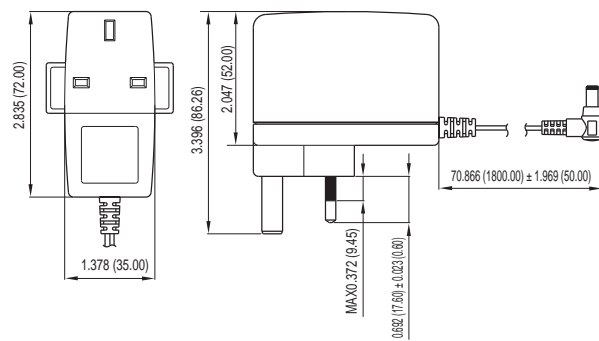


FIG.U



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