



TRG500 SERIES

6W SWITCHING ADAPTER

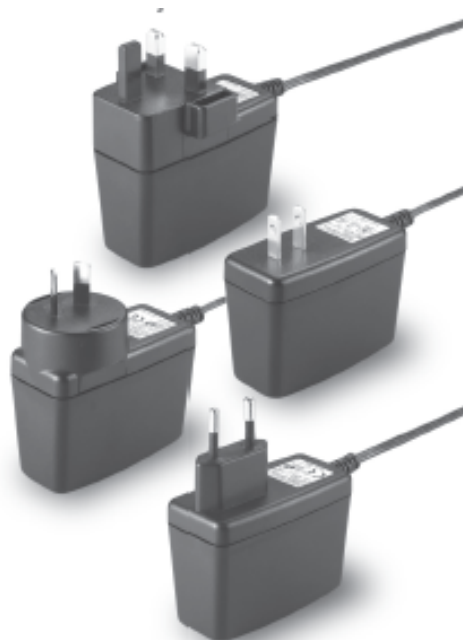


Features

- * Universal Input Range 90-264VAC
- * Meets EN55022 Class B and CISPR/FCC Class B
- * Continuous Short Circuit Protection
- * Over Voltage Protection
- * CEC Level IV Compliant
- * Level V : TRG500V Series
(Output Cable Length $\leq$ 1800mm)

Ordering information

TRG5XXX -	X	-	XX	X	XX
Model No.	AC Plug Type	DC Plug Type	OVP	DC Cable Length and Type	
TRG5XX : LEVEL IV	A: USA 2 Pin	* Please see	E: With OVP	01: 720mm	
TRG5XXV : LEVEL V	E: Europe 2 Pin	Page 213 for		02: 1200mm	
	U: British 3 Pin	more detailed		03: 1800mm	
	S: Australia 2 Pin	descriptions		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	%EFF. (Typ)
TRG501-15V	15V	400mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG501	12V	500mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG501V	12V	500mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG502	10V	600mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG502V	10V	600mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG503	9V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG503V	9V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG506	8V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG506V	8V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG507	7.5V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG507V	7.5V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG508	7.0V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG508V	7.0V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG510	6.5V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG510V	6.5V	650mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG511-1	6.0V	1000mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	67%
TRG511-1V	6.0V	1000mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	67%
TRG513-1	5.0V	1200mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	66%
TRG513-1V	5.0V	1200mA	0A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	66%

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Input Current 0.5A
 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 $\pm 0.05\%/^{\circ}\text{C}$

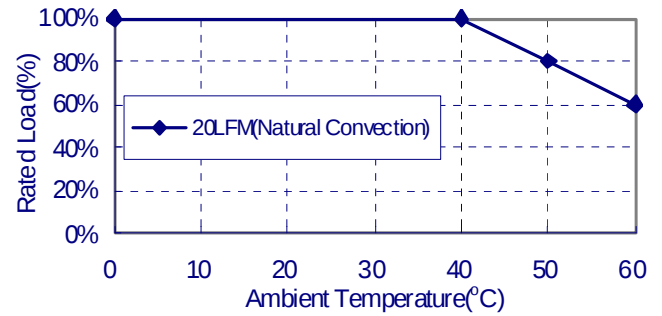
GENERAL SPECIFICATIONS:

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 Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety IEC60950-1, EN60950-1, UL60950-1

TRG500 Series Derating Curve

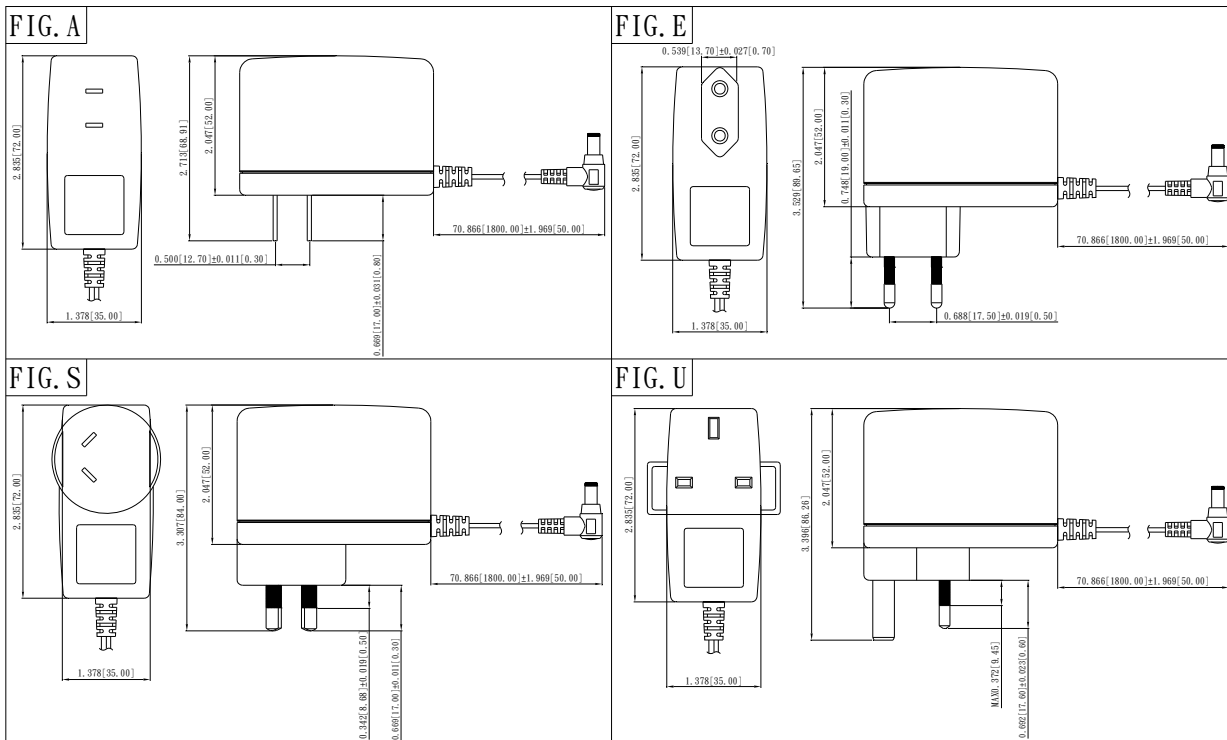


NOTE:

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 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 are in inches(mm)
 Tolerance: Inches: X.XXX $\pm$ 0.02
 Millimeters: X.XX $\pm$ 0.5



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

Mouser Electronics

Authorized Distributor

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