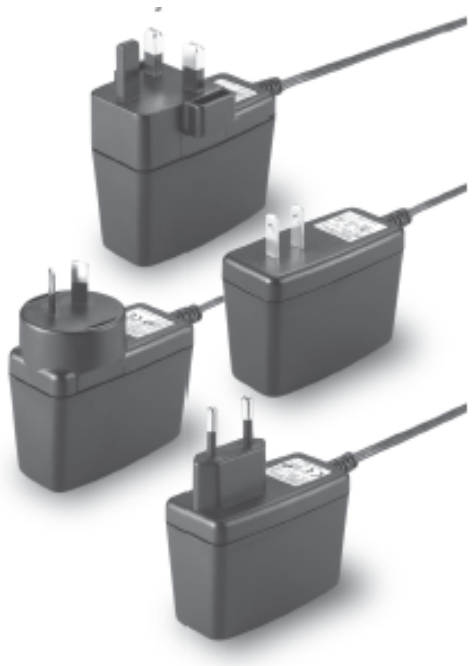
TRG500 SERIES
6W SWITCHING ADAPTER



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≦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%	±3%	±1%	±2%	68%
TRG501	12V	500mA	0A	1%	±3%	±1%	±2%	68%
TRG501V	12V	500mA	0A	1%	±3%	±1%	±2%	68%
TRG502	10V	600mA	0A	1%	±3%	±1%	±2%	68%
TRG502V	10V	600mA	0A	1%	±3%	±1%	±2%	68%
TRG503	9V	650mA	0A	1%	±3%	±1%	±2%	68%
TRG503V	9V	650mA	0A	1%	±3%	±1%	±2%	68%
TRG506	8V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG506V	8V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG507	7.5V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG507V	7.5V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG508	7.0V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG508V	7.0V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG510	6.5V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG510V	6.5V	650mA	0A	1%	±3%	±1%	±3%	67%
TRG511-1	6.0V	1000mA	0A	1%	±3%	±1%	±4%	67%
TRG511-1V	6.0V	1000mA	0A	1%	±3%	±1%	±4%	67%
TRG513-1	5.0V	1200mA	0A	1%	±3%	±1%	±4%	66%
TRG513-1V	5.0V	1200mA	0A	1%	±3%	±1%	±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 ..... ±0.05%/℃

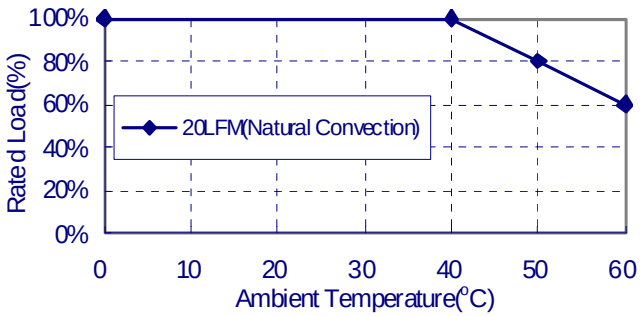
GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC
Operating Temperature ..... 0 ~ 60℃ (see derating curve)
Storage Temperature ..... -20 ~ 85℃
Humidity ..... 93% RH max. Non condensing
Cooling ..... Natural Convection
Switching Frequency ..... 100KHz Typical
MTBF ..... MIL-HDBK-217F, GB, at 25℃/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

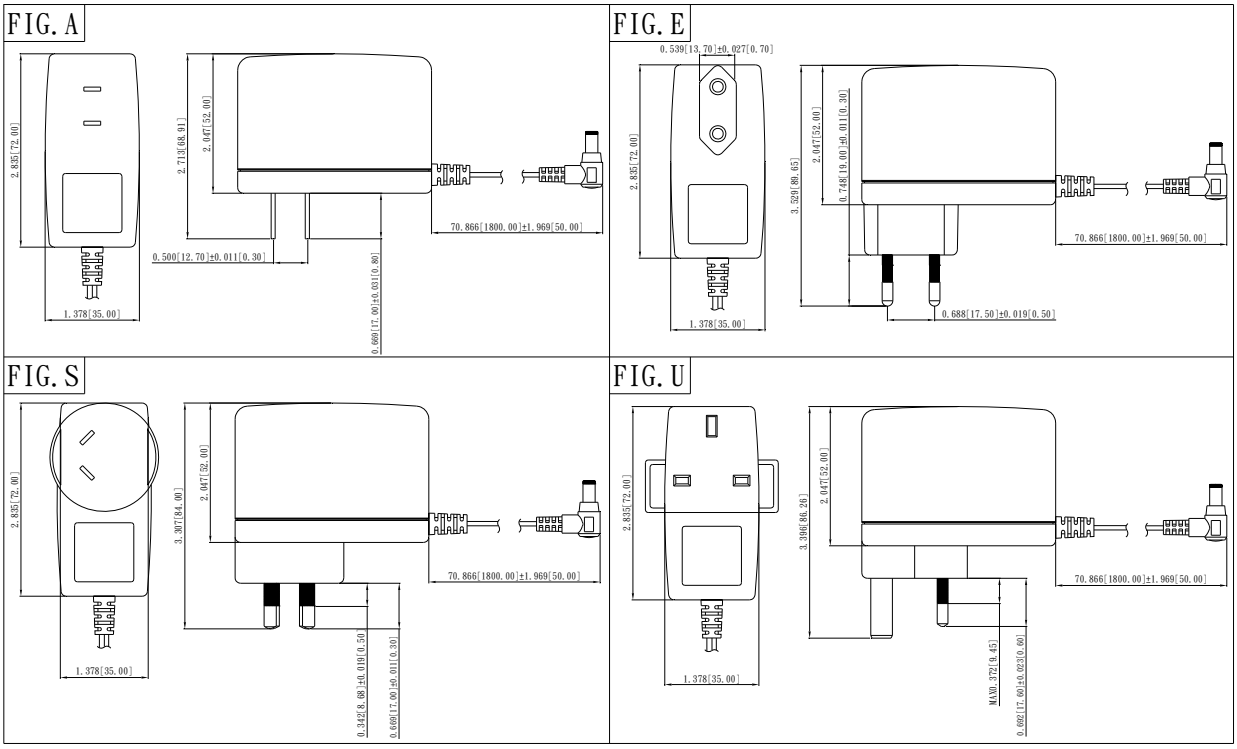


NOTE:

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±0.02
Millimeters:X.XX±0.5



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

Mouser Electronics

Authorized Distributor

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Cincon:

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