



TRG500V 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
- * Meet CEC & ErP Level V
(Output Cable Length $\leq$ 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: With OVP	01: 720mm	
	E: Europe 2 Pin			02: 1220mm	
	U: British 3 Pin			03: 1800mm	
	S: Australia 2 Pin			11: 720mm with Ferrite Core	
				12: 1220mm with Ferrite Core	
				13: 1800mm with Ferrite Core	
				* 20AWG / UL2468	



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 2	VOLTAGE ACCURACY NOTE 1	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE 5
TRG501-15V	15V	400mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG501V	12V	500mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG502V	10V	600mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG503V	9V	650mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 2\%$	68%
TRG506V	8V	650mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG507V	7.5V	650mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG508V	7.0V	650mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG510V	6.5V	650mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 3\%$	67%
TRG511-1V	6.0V	1000mA	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	67%
TRG513-1V	5.0V	1200mA	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 Cold Start @25°C 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 $\pm 0.05\%/^{\circ}\text{C}$

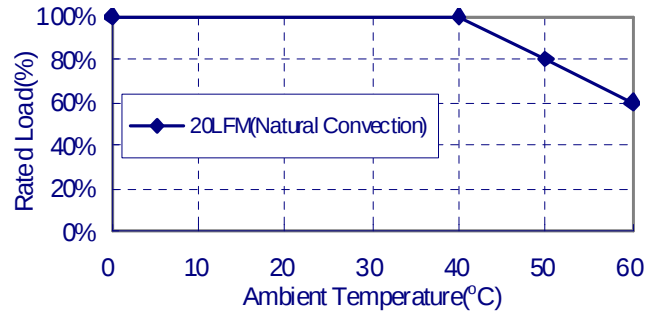
GENERAL SPECIFICATIONS:

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 87KHz 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

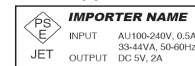
TRG500V Series Derating Curve



NOTE:

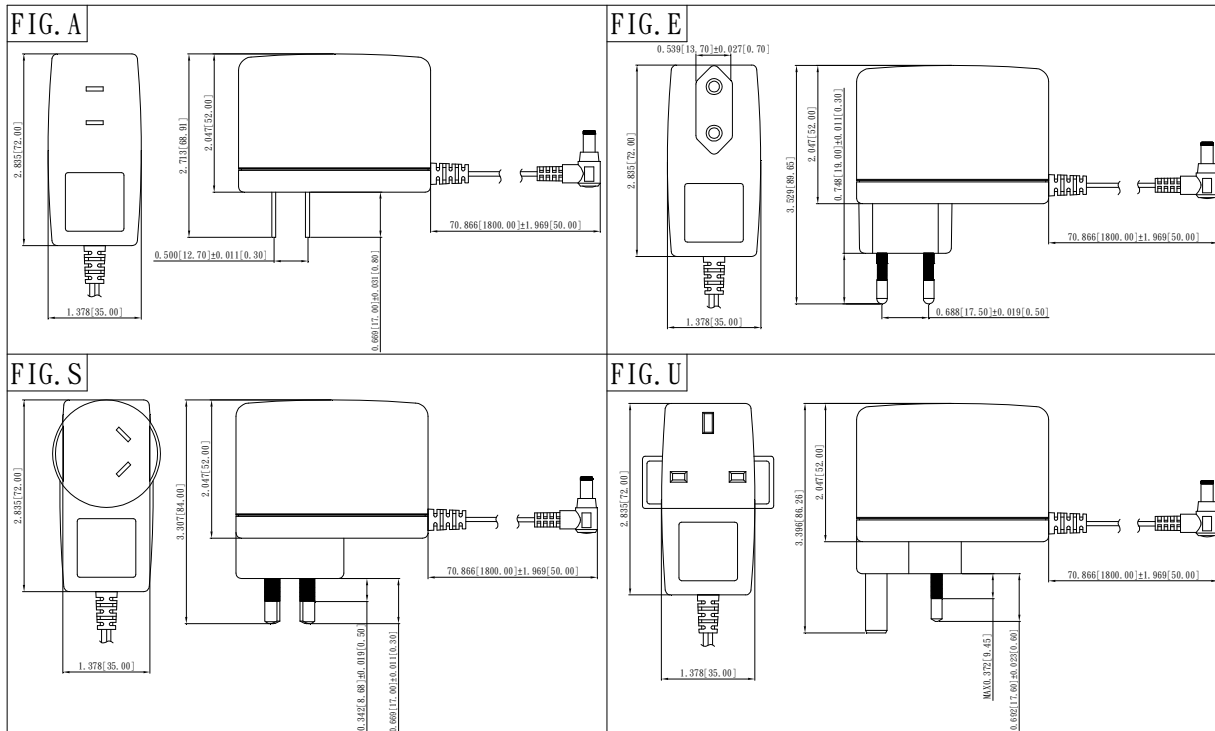
1. Voltage accuracy at 60% full load.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to full load and from 60% to 20% full load (60% +/- 40% full load).
5. Typical efficiency at 230VAC and full load at 25°C.
6. "Various TR Series adapters are PSE certified. PSE certification alone is not sufficient for importation into Japan. A valid PSE mark must contain the name of the importer as shown in the example below.

If PSE mark is required, the name of the registered importer must be supplied to Cincon on order placement. Product labels will not contain PSE mark if importer name is not supplied. Consult factory or local representative for details"



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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Cincon:

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