



TRG15 SERIES 15W SWITCHING ADAPTER



Features

- * Universal Input Range 90~264Vac
- * Meets EN55022 Class B and CISPR/FCC Class B
- * Continuous Short Circuit Protection
- * Over Voltage Protection
- * Meet CoC Tier 2 & DoE Level VI
(Output Cable Length \leq 1800mm)
(TRG1506: Output Cable Length \leq 1220mm)
- * No Load Power Consumption < 75mw



Ordering information

TRG15XX - x	-XX	E	XX
Model No.	AC Plug Type	DC Plug Type	OVP DC Cable Length and Type
	A: USA 2 Pin		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
			* 18AWG / UL1185 FOR 5V,7.5V,9V
			* 16AWG / UL1185 FOR 6V
			* 20AWG/UL1185FOR12V,13.6V,15V,18V,24V

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	AVERAGE EFFICIENCY min. NOTE 5
TRG1505	5 V	2.0 A	50mVp-p	±2%	±1%	±4%	79%
TRG1506	6 V	1.5 A	60mVp-p	±2%	±1%	±3%	81.57%
TRG1507	7.5 V	1.6 A	75mVp-p	±2%	±1%	±3%	83.26%
TRG1509	9 V	1.4 A	90mVp-p	±2%	±1%	±2%	83.54%
TRG1512	12 V	1.0 A	100mVp-p	±2%	±1%	±2%	83.26%
TRG1512-01	13.6 V	1.0 A	100mVp-p	±2%	±1%	±2%	83.97%
TRG1515	15 V	1.0 A	100mVp-p	±2%	±1%	±2%	84.5%
TRG1518	18 V	0.83 A	100mVp-p	±2%	±1%	±2%	84.48%
TRG1524	24 V	0.63 A	100mVp-p	±2%	±1%	±2%	84.54%

Specifications are subject to change without notice.

Specifications

TRG15 Series Derating Curve

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Input Current 0.5A max.
 Inrush Current Cold Start @25°C 50A max. @ 240Vac
 Leakage Current 0.25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time 10ms typ. @115Vac
 Short Circuit Protection Hiccup Mode (Auto Recovery)
 Over Voltage Protection Hiccup Mode (Auto Recovery)
 Temperature Coefficient ±0.05% / °C

GENERAL SPECIFICATIONS:

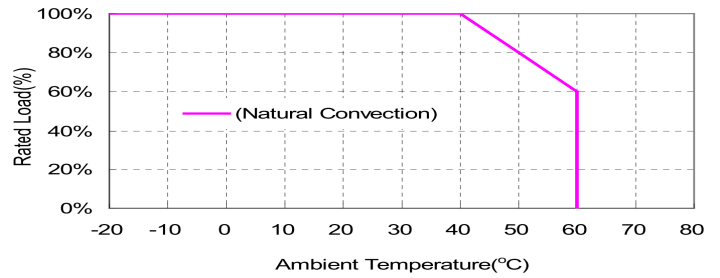
Isolation Input to output = 4,242VDC
 Operating Temperature -20 ~ 60°C (see derating curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency Full Load..... 115V / 85KHz Typical
 230V / 65KHz Typical

MTBF MIL-HDBK-217F, GB, at 25°C/115VAC 200Khrs min.
 Altitude 5000m
 Dimensions 2.835x2.047x1.378 inches (72.00x52.00x35.00mm)
 Weight 140g(0.33 Pounds)

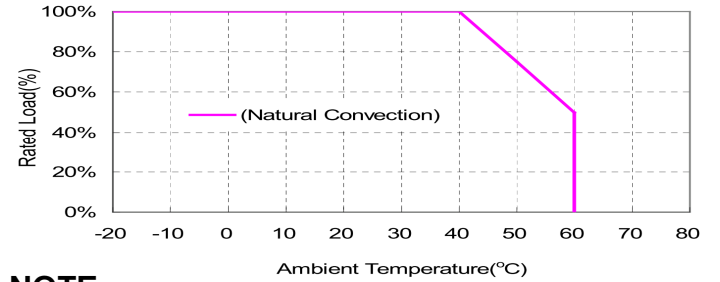
SAFETY AND EMC:

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 Class II, IEC60950-01, EN60950-1, UL60950-1

TRG1505, 1506, 1507, 1509, 1512, 1512-01



TRG1515, 1518, 1524

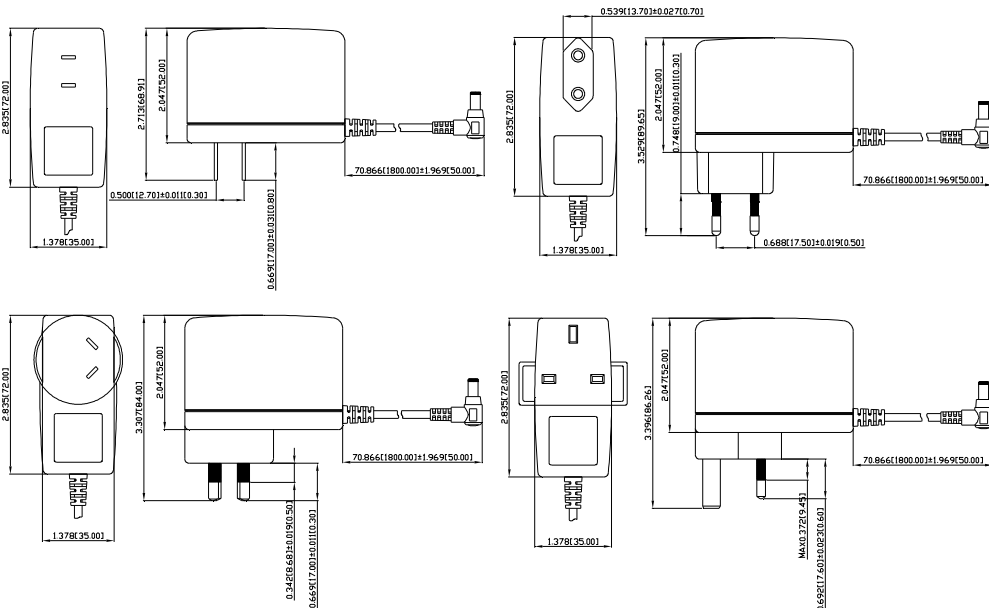


NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage setpoint at 60% full load.
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).
5. Average Efficiency measured at 25%,50%,75%,100% load and input voltage is 115Vac / 230Vac.

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

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