



TRG15 SERIES

15W SWITCHING ADAPTER

Level VI Efficiency



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	$\pm 2\%$	$\pm 1\%$	$\pm 4\%$	79%
TRG1506	6 V	1.5 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	81.57%
TRG1507	7.5 V	1.6 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	83.26%
TRG1509	9 V	1.4 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	83.54%
TRG1512	12 V	1.0 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	83.26%
TRG1512-01	13.6 V	1.0 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	83.97%
TRG1515	15 V	1.0 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84.5%
TRG1518	18 V	0.83 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84.48%
TRG1524	24 V	0.63 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	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 8ms 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

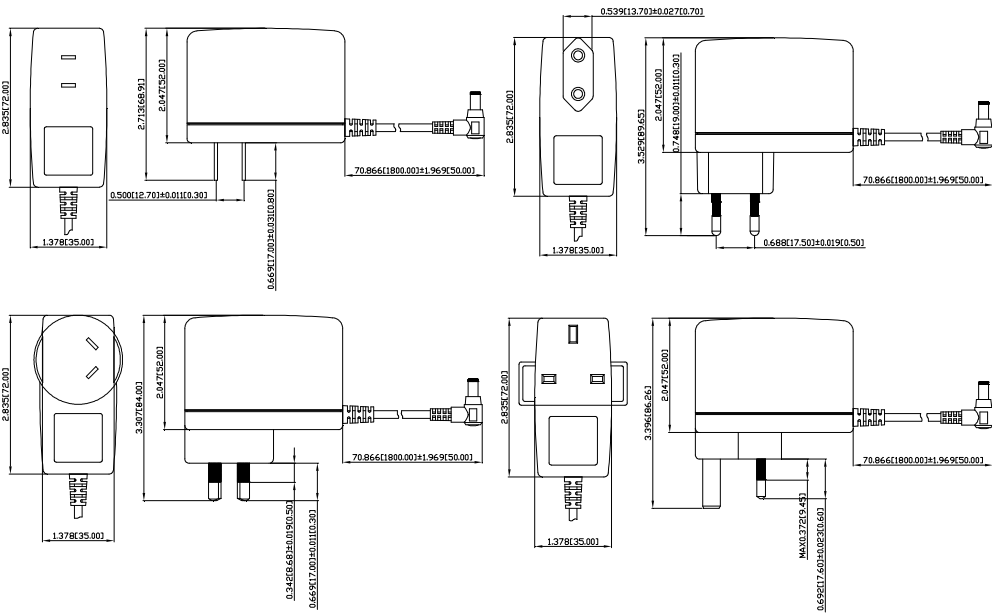
MTBF MIL-HDBK-217F, GB, at 25°C/115VAC 200Khrs min.
 Altitude 5000m
 Dimensions 2.835x2.047x1.378 inches (72.00x52.00x35.00mm)
 Weight 140g(0.33 Pounds)

SAFETY AND EMC:

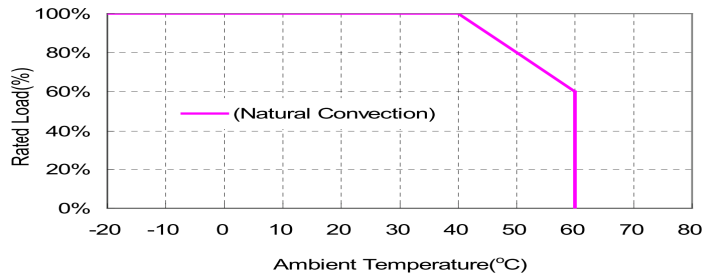
Emission and Immunity EN55022 Class B, FCC Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety Class II, IEC60950-01, EN60950-1, UL60950-1

Mechanical Specification

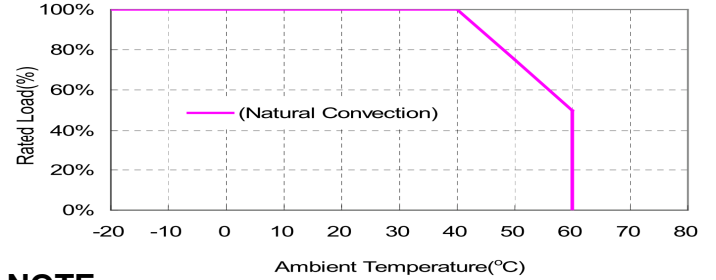
All Dimensions are in inches(mm)
 Tolerance: Inches: X.XXX±0.02
 Millimeters: X.XX±0.5



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.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

[TRG1505-U-12E03-Level-VI](#) [TRG1507-A-01E03-Level-VI](#) [TRG1509-A-11E03-Level-VI](#) [TRG1512-A-11E03-Level-VI](#)
[TRG1505-E-11E03-Level-VI](#) [TRG1512-A-36E03-Level-VI](#) [TRG1507-A-12E03-Level-VI](#) [TRG1507-U-02E03-Level-VI](#)
[TRG1512-A-35E03-Level-VI](#) [TRG1515-E-01E03-Level-VI](#) [TRG1505-A-12E03-Level-VI](#) [TRG1515-U-11E03-Level-VI](#)
[TRG1509-S-12E03-Level-VI](#) [TRG1524-E-01E03-Level-VI](#) [TRG1518-S-12E03-Level-VI](#) [TRG1509-U-02E03-Level-VI](#)
[TRG1515-U-12E03-Level-VI](#) [TRG1518-E-01E03-Level-VI](#) [TRG1509-E-02E03-Level-VI](#) [TRG1512-A-02E03-Level-VI](#)
[TRG1512-S-12E03-Level-VI](#) [TRG1518-E-11E03-Level-VI](#) [TRG1512-A-39E03-Level-VI](#) [TRG1509-E-12E03-Level-VI](#)
[TRG1506-U-01E02-Level-VI](#) [TRG1512-01-A-12E03-Level-VI](#) [TRG1505-S-01E03-Level-VI](#) [TRG1505-U-01E03-Level-VI](#)
[TRG1507-E-12E03-Level-VI](#) [TRG1507-U-01E03-Level-VI](#) [TRG1512-A-12E03-Level-VI](#) [TRG1518-U-11E03-Level-VI](#)
[TRG1524-U-01E03-Level-VI](#) [TRG1524-A-01E03-Level-VI](#) [TRG1524-E-12E03-Level-VI](#) [TRG1524-S-12E03-Level-VI](#)
[TRG1518-A-02E03-Level-VI](#) [TRG1507-S-01E03-Level-VI](#) [TRG1515-E-02E03-Level-VI](#) [TRG1524-S-01E03-Level-VI](#)
[TRG1518-E-12E03-Level-VI](#) [TRG1512-01-A-01E03-Level-VI](#) [TRG1505-U-11E03-Level-VI](#) [TRG1506-E-01E02-Level-VI](#)
[TRG1507-U-12E03-Level-VI](#) [TRG1512-E-02E03-Level-VI](#) [TRG1515-A-11E03-Level-VI](#) [TRG1518-A-01E03-Level-VI](#)
[TRG1507-E-11E03-Level-VI](#) [TRG1507-U-11E03-Level-VI](#) [TRG1524-A-36E03-Level-VI](#) [TRG1524-E-11E03-Level-VI](#)
[TRG1509-A-12E03-Level-VI](#) [TRG1515-S-02E03-Level-VI](#) [TRG1509-U-12E03-Level-VI](#) [TRG1515-S-01E03-Level-VI](#)
[TRG1524-A-35E03-Level-VI](#) [TRG1515-E-12E03-Level-VI](#) [TRG1524-A-26E03-Level-VI](#) [TRG1506-U-12E02-Level-VI](#)
[TRG1509-E-01E03-Level-VI](#) [TRG1518-U-12E03-Level-VI](#) [TRG1524-A-12E03-Level-VI](#) [TRG1512-S-01E03-Level-VI](#)
[TRG1512-U-11E03-Level-VI](#) [TRG1509-E-11E03-Level-VI](#) [TRG1512-A-49E03-Level-VI](#) [TRG1512-A-48E03-Level-VI](#)
[TRG1524-S-11E03-Level-VI](#) [TRG1505-A-36E03-Level-VI](#) [TRG1506-E-11E02-Level-VI](#) [TRG1507-E-02E03-Level-VI](#)
[TRG1507-A-11E03-Level-VI](#) [TRG1507-S-12E03-Level-VI](#) [TRG1524-A-11E03-Level-VI](#) [TRG1518-U-02E03-Level-VI](#)
[TRG1524-A-39E03-Level-VI](#) [TRG1512-U-12E03-Level-VI](#) [TRG1505-S-11E03-Level-VI](#) [TRG1509-A-02E03-Level-VI](#)
[TRG1506-A-11E02-Level-VI](#) [TRG1506-E-12E02-Level-VI](#) [TRG1515-U-02E03-Level-VI](#) [TRG1507-A-02E03-Level-VI](#)
[TRG1515-A-12E03-Level-VI](#) [TRG1518-A-12E03-Level-VI](#) [TRG1524-U-12E03-Level-VI](#) [TRG1506-S-01E02-Level-VI](#)
[TRG1505-A-11E03-Level-VI](#) [TRG1518-E-02E03-Level-VI](#) [TRG1524-A-40E03-Level-VI](#) [TRG1524-A-48E03-Level-VI](#)
[TRG1505-S-02E03-Level-VI](#) [TRG1512-S-02E03-Level-VI](#) [TRG1509-A-01E03-Level-VI](#) [TRG1509-S-11E03-Level-VI](#)
[TRG1505-A-48E03-Level-VI](#) [TRG1515-A-02E03-Level-VI](#) [TRG1524-E-02E03-Level-VI](#) [TRG1524-U-11E03-Level-VI](#)