



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/UL1185 FOR 12V, 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

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

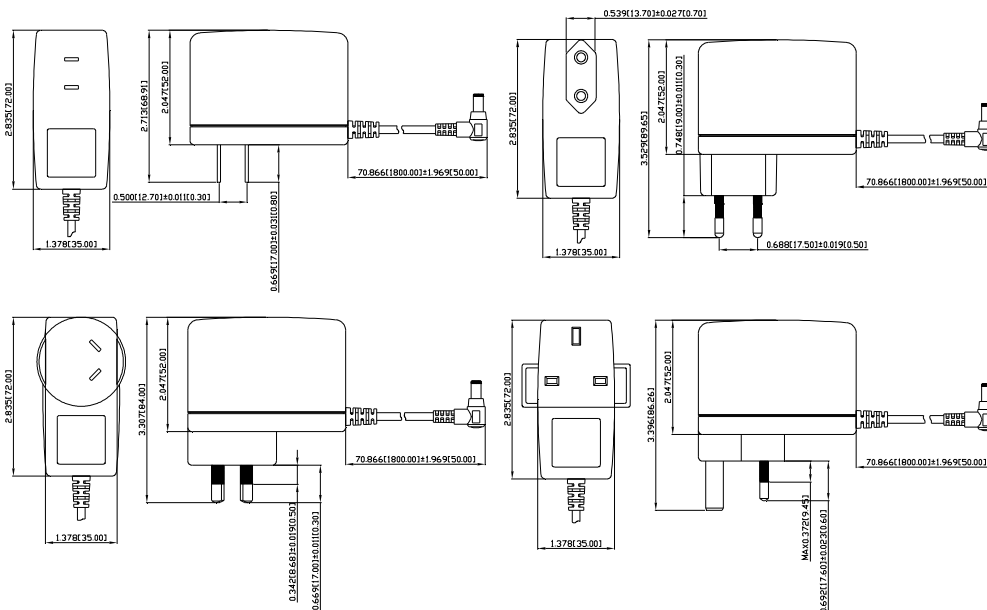
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC	200Khrs min.
Altitude		5000m
Dimensions	2.835x2.047x1.378 inches (72.00x52.00x35.00mm)	
Weight		140g(0.33 Pounds)

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

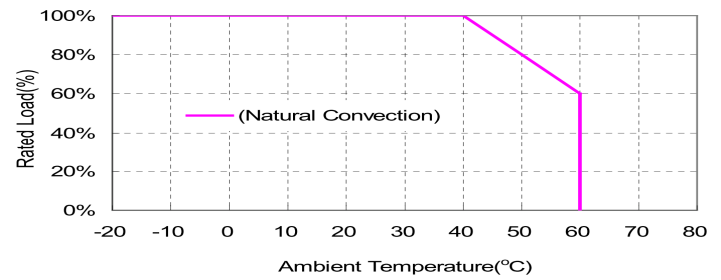
Mechanical Specification

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

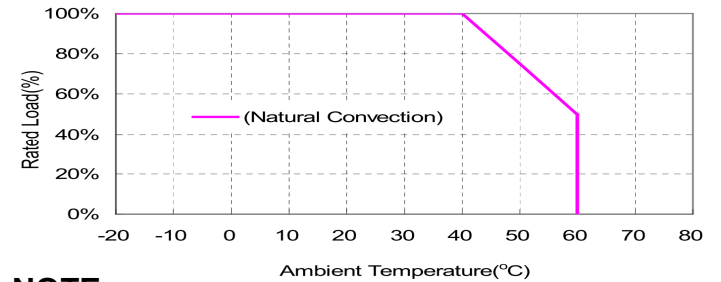


TRG15 Series Derating Curve

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