



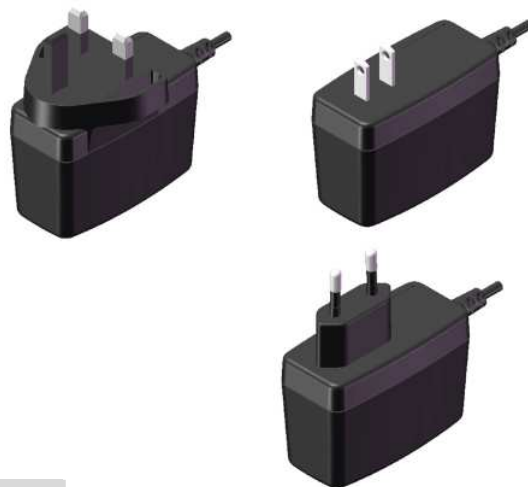
TRE15 SERIES

15W SWITCHING ADAPTER



Features

- * Universal Input Range 90~264Vac
- * Meets EN55032 Class B and CISPR/FCC Class B
- * Continuous Short Circuit Protection
- * Over Voltage Protection
- * No Load Power Consumption<75mW
- * Approved IEC62368-1, UL62368-1, EN62368-1
- * Meet CoC Tier 2 & DoE Level VI
(Output Cable Length $\leq$ 1800mm)



Ordering Information

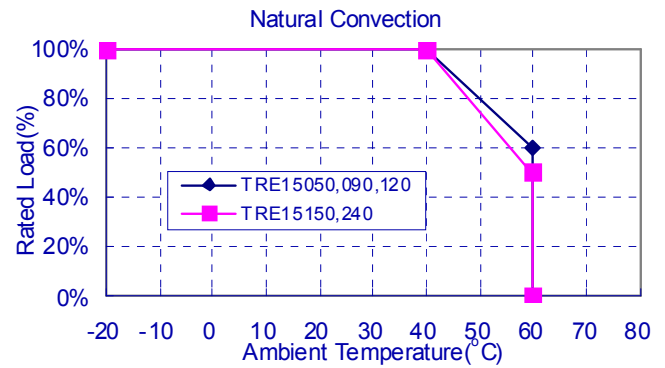
TRE15XX	- x	-XX	G	XX
Model No.	AC Plug Type	DC Plug Type	UL1571 WITH OVP	DC Cable Length and Type
	A: USA 2 Pin			01: 720mm
	E: Europe 2 Pin			02: 1220mm
	U: British 3 Pin			03: 1800mm
				11: 720mm with Ferrite Core
				12: 1220mm with Ferrite Core
				13: 1800mm with Ferrite Core
				* 20AWG for 5V, UL1571 or Equivalent
				* 18AWG for 9V, UL1571 or Equivalent
				* 24AWG for 12V, 15V, 24V, UL1571 or Equivalent

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
TRE15050	5 V	2.0 A	50mVp-p	±2%	±1%	±4%	79.0%
TRE15090	9 V	1.4 A	90mVp-p	±2%	±1%	±2%	83.5%
TRE15120	12 V	1.0 A	100mVp-p	±2%	±1%	±2%	83.3%
TRE15150	15 V	1.0 A	100mVp-p	±2%	±1%	±2%	84.5%
TRE15240	24 V	0.63 A	100mVp-p	±2%	±1%	±2%	84.5%

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.

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

Isolation	Input to output = 3,000VAC.
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 typ.
	230V/65KHz typ
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC
	330Khrs min.
Altitude	5000m
Dimensions	2.795x1.906x1.299 inches (71.00x48.4x33.00mm))
Weight	100g(0.22 Pounds)

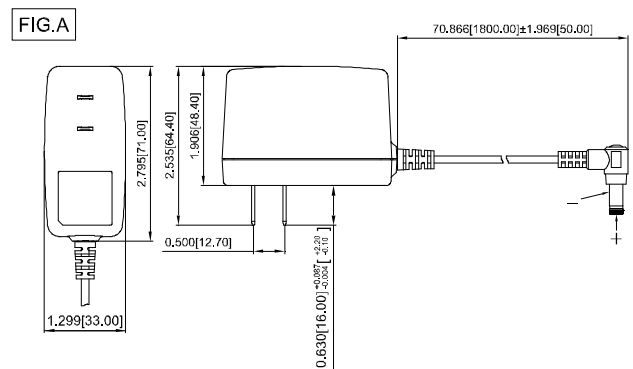
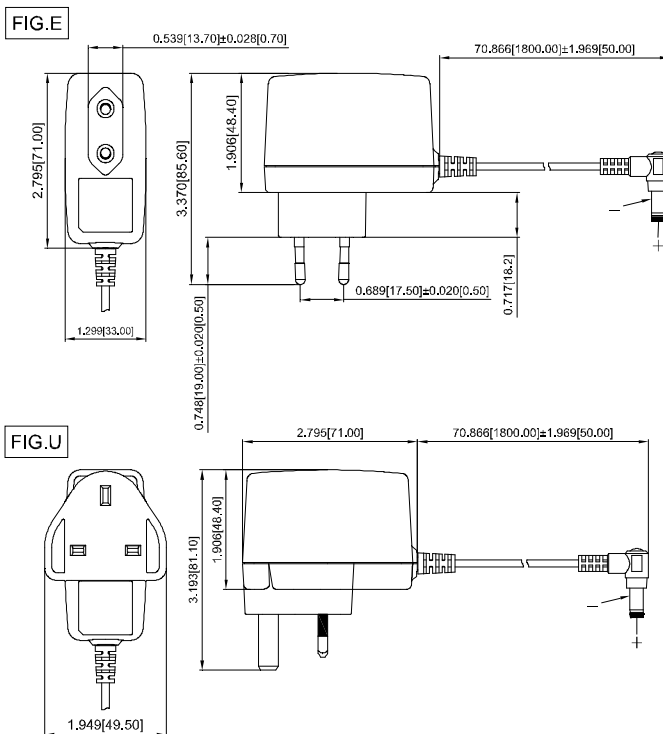


Emission and Immunity EN55032 Class B, FCC Part 15 Class B
EN61000-6-3, EN61000-3-2, EN61000-3-3
EN55024, EN61204-3, EN61000-6-1

Safety Class II, IEC62368-1/60950-1, UL62368-1/60950-1
EN62368-1/60950-1

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.

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

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

Cincon:

[TRE15090-U-12G01-Level-VI](#) [TRE15150-E-12G12-Level-VI](#) [TRE15120-E-23G11-Level-VI](#) [TRE15240-A-48G13-Level-VI](#) [TRE15050-E-11G13-Level-VI](#) [TRE15090-U-01G13-Level-VI](#) [TRE15240-A-11G12-Level-VI](#) [TRE15050-U-11G13-Level-VI](#) [TRE15050-A-01G02-Level-VI](#) [TRE15240-A-40G01-Level-VI](#) [TRE15090-U-01G02-Level-VI](#) [TRE15120-E-11G11-Level-VI](#) [TRE15050-A-49G02-Level-VI](#) [TRE15120-U-11G12-Level-VI](#) [TRE15090-A-11G03-Level-VI](#) [TRE15240-A-39G02-Level-VI](#) [TRE15120-A-49G01-Level-VI](#) [TRE15050-A-11G02-Level-VI](#) [TRE15090-E-02G12-Level-VI](#) [TRE15090-A-02G12-Level-VI](#) [TRE15120-A-39G11-Level-VI](#) [TRE15240-A-36G02-Level-VI](#) [TRE15050-A-39G01-Level-VI](#) [TRE15150-A-12G03-Level-VI](#) [TRE15090-A-02G02-Level-VI](#) [TRE15090-E-01G11-Level-VI](#) [TRE15240-A-35G12-Level-VI](#) [TRE15120-E-23G12-Level-VI](#) [TRE15150-A-24G11-Level-VI](#) [TRE15050-A-48G03-Level-VI](#) [TRE15120-U-12G12-Level-VI](#) [TRE15120-A-01G13-Level-VI](#) [TRE15050-E-11G03-Level-VI](#) [TRE15050-U-02G02-Level-VI](#) [TRE15240-E-12G11-Level-VI](#) [TRE15050-E-12G12-Level-VI](#) [TRE15090-E-11G03-Level-VI](#) [TRE15090-A-11G11-Level-VI](#) [TRE15050-E-12G02-Level-VI](#) [TRE15120-E-11G13-Level-VI](#) [TRE15120-A-49G02-Level-VI](#) [TRE15050-A-39G02-Level-VI](#) [TRE15090-A-11G13-Level-VI](#) [TRE15050-A-35G02-Level-VI](#) [TRE15050-A-35G03-Level-VI](#) [TRE15120-A-39G02-Level-VI](#) [TRE15090-E-01G02-Level-VI](#) [TRE15150-A-12G01-Level-VI](#) [TRE15240-E-12G01-Level-VI](#) [TRE15050-E-02G02-Level-VI](#) [TRE15050-U-11G03-Level-VI](#) [TRE15120-U-12G11-Level-VI](#) [TRE15090-A-02G11-Level-VI](#) [TRE15240-A-11G01-Level-VI](#) [TRE15120-A-39G03-Level-VI](#) [TRE15090-U-12G02-Level-VI](#) [TRE15090-A-12G01-Level-VI](#) [TRE15090-E-02G03-Level-VI](#) [TRE15050-A-02G02-Level-VI](#) [TRE15090-U-12G03-Level-VI](#) [TRE15240-A-48G01-Level-VI](#) [TRE15090-E-02G02-Level-VI](#) [TRE15050-A-36G01-Level-VI](#) [TRE15050-A-02G12-Level-VI](#) [TRE15050-U-02G01-Level-VI](#) [TRE15090-U-02G12-Level-VI](#) [TRE15240-E-12G12-Level-VI](#) [TRE15050-E-12G13-Level-VI](#) [TRE15050-E-02G13-Level-VI](#) [TRE15240-A-35G13-Level-VI](#) [TRE15090-E-01G13-Level-VI](#) [TRE15240-A-35G03-Level-VI](#) [TRE15090-A-01G11-Level-VI](#) [TRE15090-E-12G12-Level-VI](#) [TRE15050-A-02G13-Level-VI](#) [TRE15050-U-11G02-Level-VI](#) [TRE15050-A-36G12-Level-VI](#) [TRE15150-A-12G02-Level-VI](#) [TRE15120-A-48G02-Level-VI](#) [TRE15120-U-12G13-Level-VI](#) [TRE15090-U-11G01-Level-VI](#) [TRE15050-U-01G02-Level-VI](#) [TRE15240-A-26G13-Level-VI](#) [TRE15050-E-02G01-Level-VI](#) [TRE15120-A-41G12-Level-VI](#) [TRE15090-E-11G12-Level-VI](#) [TRE15120-A-11G01-Level-VI](#) [TRE15050-E-01G01-Level-VI](#) [TRE15120-A-49G12-Level-VI](#) [TRE15120-A-40G13-Level-VI](#) [TRE15120-E-23G03-Level-VI](#) [TRE15050-A-01G03-Level-VI](#) [TRE15090-U-11G11-Level-VI](#) [TRE15050-E-02G03-Level-VI](#) [TRE15050-U-01G12-Level-VI](#) [TRE15090-U-11G12-Level-VI](#) [TRE15090-E-02G13-Level-VI](#) [TRE15150-A-24G12-Level-VI](#) [TRE15120-A-11G11-Level-VI](#) [TRE15240-A-26G11-Level-VI](#)