



TRE15RD SERIES

15W SWITCHING ADAPTER

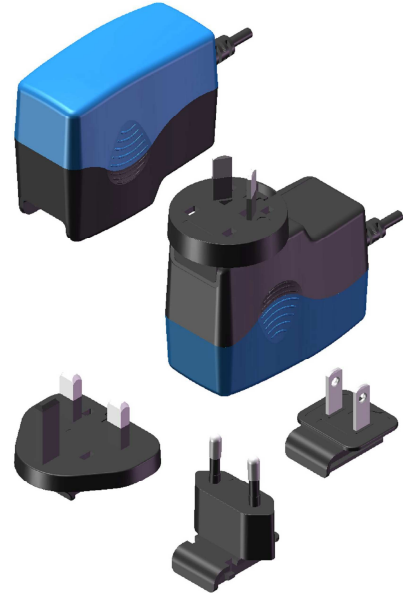


Features

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

Ordering information

TRE15RDXX - XX	G	XX
Model No.	DC Plug Type	UL1571 WITH OVP
		DC Cable Length and Type
		01: 720mm
		02: 1220mm
		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
TRE15RD050	5 V	2.0 A	50mVp-p	±2%	±1%	±4%	79.0%
TRE15RD090	9 V	1.4 A	90mVp-p	±2%	±1%	±2%	83.5%
TRE15RD120	12 V	1.0 A	100mVp-p	±2%	±1%	±2%	83.3%
TRE15RD150	15 V	1.0 A	100mVp-p	±2%	±1%	±2%	84.5%
TRE15RD240	24 V	0.63 A	100mVp-p	±2%	±1%	±2%	84.5%

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:

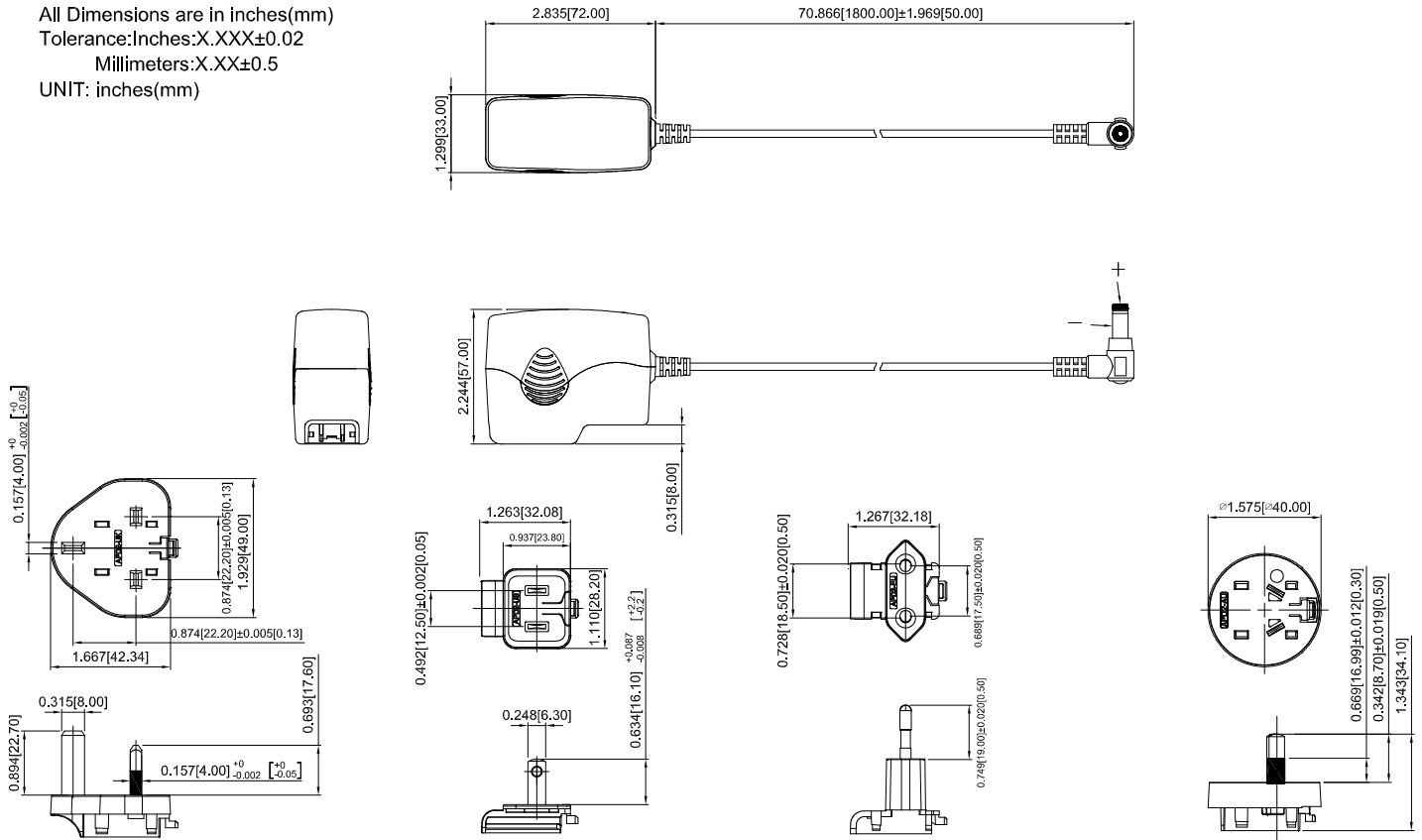
Hold-up Time	10ms typ. @115Vac
Short Circuit Protection	Continuous(Auto Recovery)
Over Voltage Protection	IC Component to Clamp
Temperature Coefficient	±0.05% / °C

GENERAL SPECIFICATIONS:

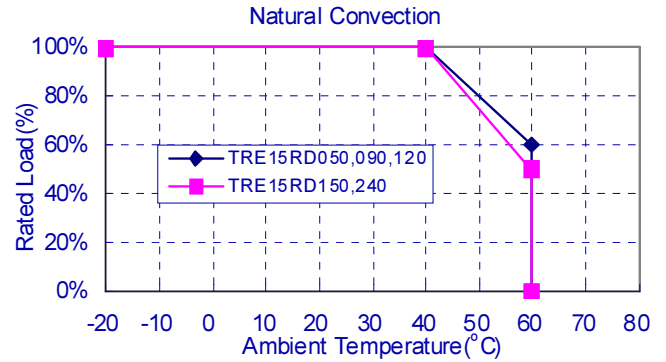
Isolation	Input to output = 3,000VAC.
Operating Temperature	-20~ 60°C (see derating curve)
Storage Temperature	-20~85°C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	Full Load
	115V/85KHz typ.
	230V/65KHz typ.
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC
	330Khrs min.
Altitude	5000m
Dimensions	2.835x2.244x1.299 inches (72.00x57.0x33.00mm))
Weight	100g(0.22 Pounds)

Mechanical Specification

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



TRE15RD Series Derating Curve



SAFETY AND EMC:

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, IEC60950-1, EN60950-1, UL60950-1

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.