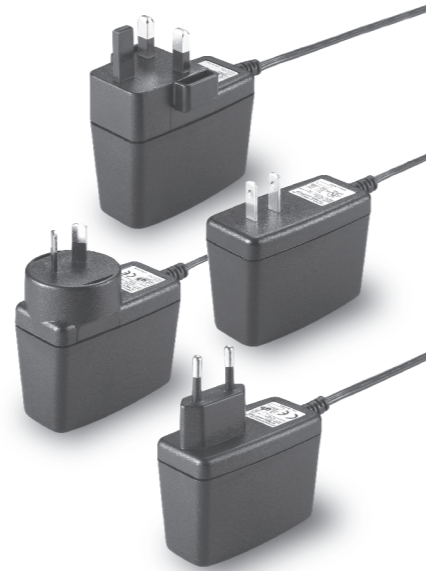


TR15

S E R I E S

15W SWITCHING ADAPTER



Features

- Universal Input Range 90-264VAC
- Continuous Short Circuit Protection
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Over Voltage Protection (Option)

Ordering information

TR15XX	X	XX	X	XX
Model No.	AC Plug Type	DC Plug Type	OVP Option	DC Cable Length and Type
A : USA 2 Pin	* Please see Page235 for more detailed descriptions	A : Without OVP Option	01 : 720mm	
E : Europe 2 Pin		E : With OVP Option	02 : 1200mm	
U : British 3 Pin			03 : 1800mm	
S : Australia 2 Pin			11 : 720mm with Ferrite Core	
			12 : 1200mm with Ferrite Core	
			13 : 1800mm with Ferrite Core	
			* 20AWG / UL2468	

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF
TR1505	5V	2.0 A	0A	1%	± 2%	± 1%	± 4%	34KHz Typ.	67% min.
TR1506	6V	1.5 A	0A	1%	± 2%	± 1%	± 3%	34KHz Typ.	68% min.
TR1507	7.5V	1.6 A	0A	1%	± 2%	± 1%	± 3%	34KHz Typ.	70% min.
TR1509	9V	1.4 A	0A	1%	± 2%	± 1%	± 2%	34KHz Typ.	71% min.
TR1512	12V	1.0 A	0A	1%	± 2%	± 1%	± 2%	34KHz Typ.	74% min.
TR1512-01	13.6V	1.0 A	0A	1%	± 2%	± 1%	± 2%	34KHz Typ.	74% min.
TR1515	15V	1.0 A	0A	1%	± 2%	± 1%	± 2%	34KHz Typ.	75% min.
TR1518	18V	0.83 A	0A	1%	± 2%	± 1%	± 2%	34KHz Typ.	75% min.
TR1524	24V	0.63A	0A	1%	± 2%	± 1%	± 2%	34KHz Typ.	77% min.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Input Current0.5A max.
 Inrush Current.....50A max. @264Vac
 IsolationInput to output =4,242VDC
 Leakage Current.....0.25mA max

OUTPUT SPECIFICATIONS:

Holdup Time10ms typ. @115Vac
 Short Circuit ProtectionContinuous (Auto Recovery)
 Over Voltage ProtectionOption

ENVIRONMENTAL CHARACTERISTICS:

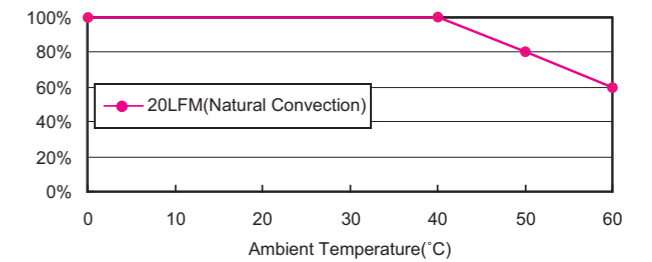
Operating Temperature0 ~ 40°C
 Storage Temperature-20 ~ 85°C
 Cooling.....Natural Convection

MECHANICAL CHARACTERISTICS:

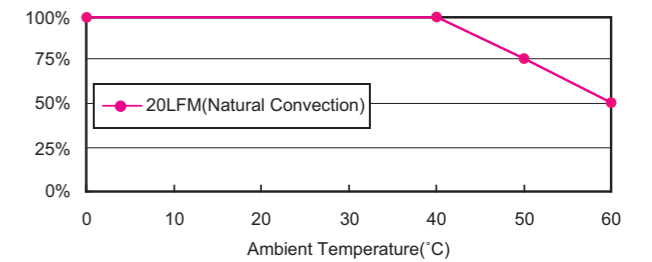
Dimensions.....72.00 x 52.00 x 35.00mm (2.835 x 2.047 x 1.378 Inches)
 Weight1.60g (0.35Pounds)

TR15 Series Derating Curve

TR1505, 1506, 1507, 1509, 1512, 1512-01



TR1515, 1518, 1524



NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)

Mechanical Specification

All Dimensions In Inches(mm)
 Tolerance Inches: x.xxx= ±0.02
 Millimeters: x.xx= ±0.5

FIG.A

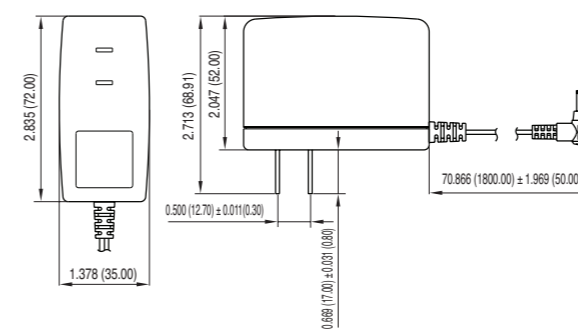


FIG.E

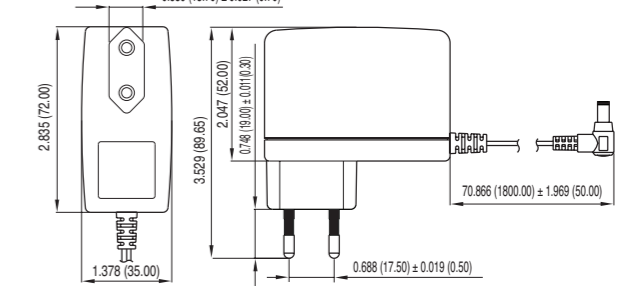


FIG.S

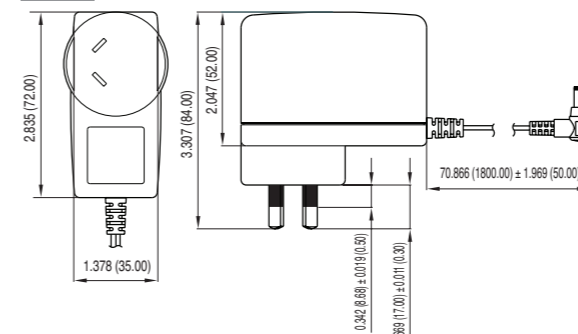
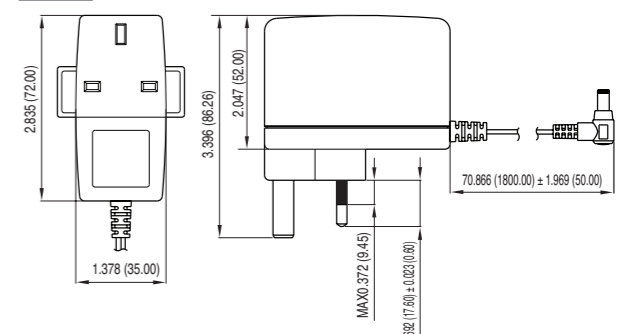


FIG.U



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