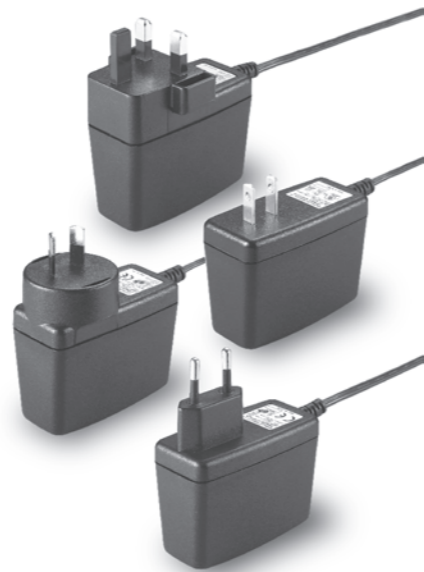


TR500

S E R I E S

6W SWITCHING ADAPTER



Features

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

Ordering information

TR5XX	X	XX	X	XX
Model No.	AC Plug Type	DC Plug Type	DC Cable Length and Type	
A : USA 2 Pin	E : Europe 2 Pin	U : British 3 Pin	S : Australia 2 Pin	A : Without OVP Option
				01 : 720mm
				02 : 1200mm
				03 : 1800mm
				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 SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TR 501	12V	500mA	0A	1%	± 3%	± 1%	± 2%	47~125KHz Typ.	67% Typ.
TR 502	10V	600mA	0A	1%	± 3%	± 1%	± 2%	46~127KHz Typ.	67% Typ.
TR 503	9V	650mA	0A	1%	± 3%	± 1%	± 2%	47~128.2KHz Typ.	67% Typ.
TR 506	8V	650mA	0A	1%	± 3%	± 1%	± 3%	47~129.3KHz Typ.	67% Typ.
TR 507	7.5V	650mA	0A	1%	± 3%	± 1%	± 3%	48~130.2KHz Typ.	68% Typ.
TR 508	7.0V	650mA	0A	1%	± 3%	± 1%	± 3%	47.5~128KHz Typ.	68% Typ.
TR 510	6.5V	650mA	0A	1%	± 3%	± 1%	± 3%	49~130KHz Typ.	67% Typ.
TR 511-1	6.0V	1000mA	0A	1%	± 3%	± 1%	± 4%	52~192KHz Typ.	67% Typ.
TR 513-1	5.0V	1200mA	0A	1%	± 3%	± 1%	± 4%	47~166KHz Typ.	67% Typ.
TR514	4.2V	1000mA	0A	1%	± 3%	± 1%	± 4%	37.9~142.9KHz Typ.	65% Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency50 to 60Hz
 Input Current0.5A max.
 Inrush Current.....30A max. @264Vac
 IsolationInput to output =4,242VDC
 Leakage Current.....0.25mA max

OUTPUT SPECIFICATIONS:

Holdup Time10mS typ. @115Vac
 Short Circuit ProtectionContinuous (Auto Recovery)
 Over Current ProtectionConstant Current Type

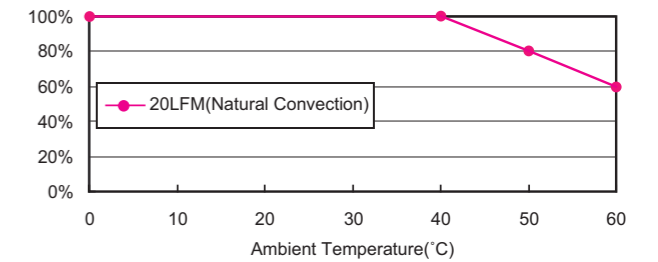
ENVIRONMENTAL CHARACTERISTICS:

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

MECHANICAL CHARACTERISTICS:

Dimensions72.00 x 52.00 x 35.00mm(2.835 x 2.047 x 1.378 Inches)
 Weight135g (0.30Pounds)

TR500 Series Derating Curve



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 full load and from 60% to 20% load (60% +/- 40% load)

Mechanical Specification

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

