

TRG500

S E R I E S

6W SWITCHING ADAPTER



Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Length ≤ 1800mm)

Ordering information

TRG5XX	- X -	XX	X	XX
Model No.	AC Plug Type	DC Plug Type	OVP	DC Cable Length and Type
A : USA 2 Pin	* Please see Page235 for more detailed descriptions	E : With OVP	01 : 720mm	02 : 1200mm
E : Europe 2 Pin			03 : 1800mm	11 : 720mm with Ferrite Core
U : British 3 Pin				12 : 1200mm with Ferrite Core
S : Australia 2 Pin				13 : 1800mm with Ferrite Core

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TRG501	12V	500mA	0A	1%	± 3%	± 1%	± 2%	120~144KHz Typ.	68% Typ.
TRG502	10V	600mA	0A	1%	± 3%	± 1%	± 2%	120~144KHz Typ.	68% Typ.
TRG503	9V	650mA	0A	1%	± 3%	± 1%	± 2%	120~144KHz Typ.	68% Typ.
TRG506	8V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG507	7.5V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG508	7.0V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG510	6.5V	650mA	0A	1%	± 3%	± 1%	± 3%	120~144KHz typ.	67% Typ.
TRG511-1	6.0V	1000mA	0A	1%	± 3%	± 1%	± 4%	120~144KHz typ.	67% Typ.
TRG513-1	5.0V	1200mA	0A	1%	± 3%	± 1%	± 4%	120~144KHz typ.	66% Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Input Current0.5A max.
 Inrush Current.....40A max. @240Vac
 IsolationInput to output =4,242VDC
 Leakage Current.....0.25mA max

OUTPUT SPECIFICATIONS:

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

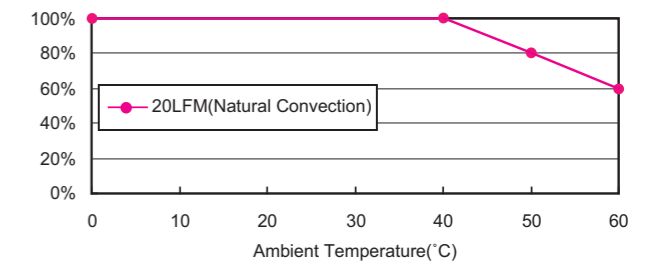
ENVIRONMENTAL CHARACTERISTICS:

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)

TRG500 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

