

TRG70

S E R I E S

70W 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 \leq 1800mm)
(TRG70A12: Output Cable Length \leq 1220mm)
(TRG70A15: Output Cable Length \leq 1220mm)

Ordering information

TRG70A	XX	X	XX
Model No.	DC Plug Type	OVP	DC Cable Length and Type
* Please see Page 235 for more detailed descriptions			
			01 : 720mm 02 : 1200mm 03 : 1800mm 11 : 720mm with Ferrite Core 12 : 1200mm with Ferrite Core 13 : 1800mm with Ferrite Core * 18AWG / UL1185

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF
TRG70A120	12V	5.5 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	65KHz Typ.	82% Typ.
TRG70A150	15V	4.6 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	65KHz Typ.	84% Typ.
TRG70A180	18V	3.9 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	65KHz Typ.	84% Typ.
TRG70A190	19V	3.7 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	65KHz Typ.	84% Typ.
TRG70A240	24V	3.0 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	65KHz Typ.	86% Typ.
TRG70A480	48V	1.5 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	65KHz Typ.	87% Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency50 to 60Hz
 Inrush Current.....60A max. @240Vac
 Conducted EMI.....CISPR/FCC Class B
 IsolationInput to output =4,242VDC
 Leakage Current.....3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time8mS typ. @115Vac
 Short Circuit ProtectionContinuous
 Over Voltage Protection.....Yes

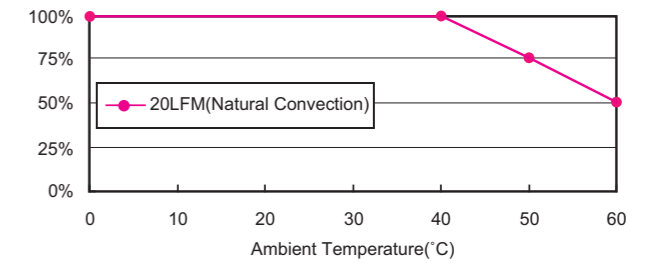
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature0 ~ 40°C
 Storage Temperature-20 ~ 85°C

MECHANICAL CHARACTERISTICS:

Dimensions132.00 x 58.00 x 30.50mm(5.197 x 2.283 x 1.201 Inches)
 Weight345g (0.77 Pounds)
 AC Inlet.....IEC320/C14

TRG70 Series Derating Curve

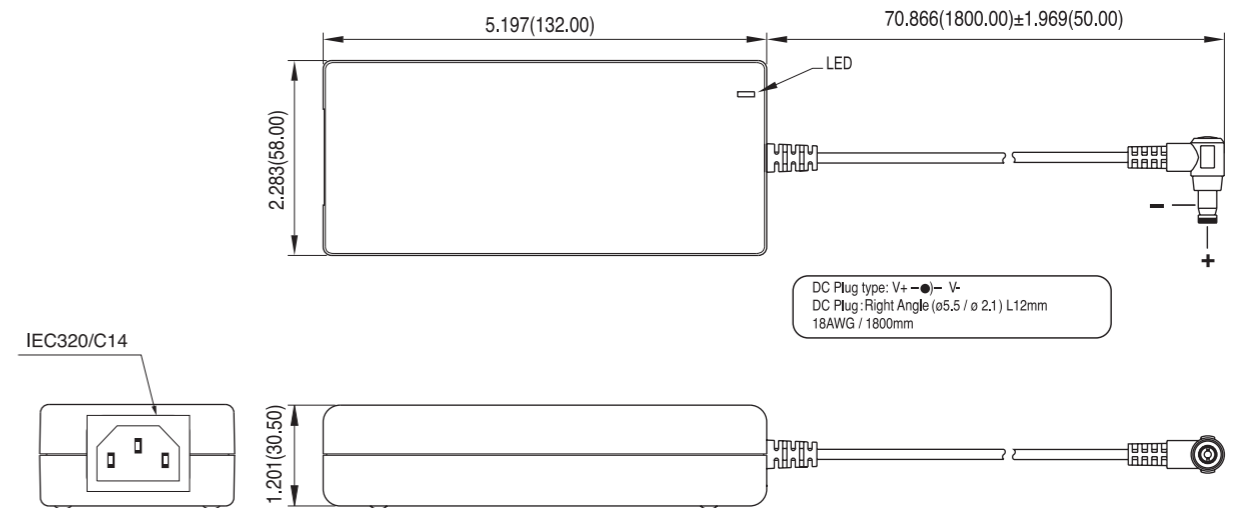


NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1 μ F ceramic capacitor and a 10 μ F E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac with 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



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