

TRG36

S E R I E S

36W SWITCHING ADAPTER



Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Leakage Current 0.25mA Max.
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Length ≤ 1800mm)
(TRG36A090: Output Cable Length ≤ 1220mm)
(TRG36A050: Output Cable Length ≤ 1220mm, 18AWG/UL2464)

Ordering information

TRG36AXX - XX	XX	X	XX
Model No.	DC Plug Type	OVP	DC Cable Length and Type
* Please see Page 235 for more detailed descriptions			
	E: With OVP		01 : 720mm 02 : 1200mm 03 : 1800mm 11 : 720mm with Ferrite Core 12 : 1200mm with Ferrite Core 13 : 1800mm with Ferrite Core

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF
TRG36A05	5V	4.0 A	1%	± 2%	± 1%	± 6%	50~70KHz Typ.	73% Typ.
TRG36A09	9V	3.0 A	1%	± 2%	± 1%	± 5%	50~70KHz Typ.	77% Typ.
TRG36A12	12V	2.5 A	1%	± 2%	± 1%	± 5%	50~70KHz Typ.	78% Typ.
TRG36A13	13.5V	2.4 A	1%	± 2%	± 1%	± 5%	50~70KHz Typ.	80% Typ.
TRG36A15	15V	2.4 A	1%	± 2%	± 1%	± 3%	50~70KHz Typ.	80% Typ.
TRG36A18	18V	2.0 A	1%	± 2%	± 1%	± 2%	50~70KHz Typ.	81% Typ.
TRG36A24	24V	1.5 A	1%	± 2%	± 1%	± 2%	50~70KHz Typ.	81% Typ.
TRG36A48	48V	0.75 A	1%	± 2%	± 1%	± 2%	50~70KHz Typ.	83% 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.....0.25mA max.

OUTPUT SPECIFICATIONS:

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

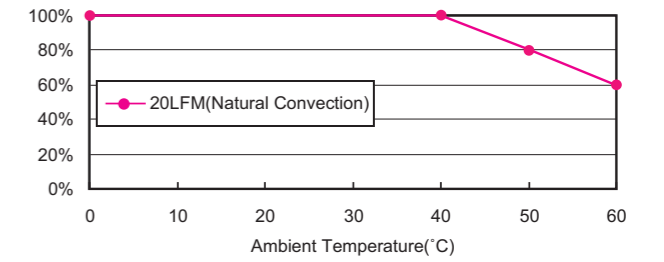
ENVIRONMENTAL CHARACTERISTICS:

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

MECHANICAL CHARACTERISTICS:

Dimensions110.00 x 50.00 x 20.00mm(4.331 x 1.969 x 0.787 Inches)
 Weight190g (0.42 Pounds)
 AC Inlet.....IEC320/C8

TRG36 Series Derating Curve

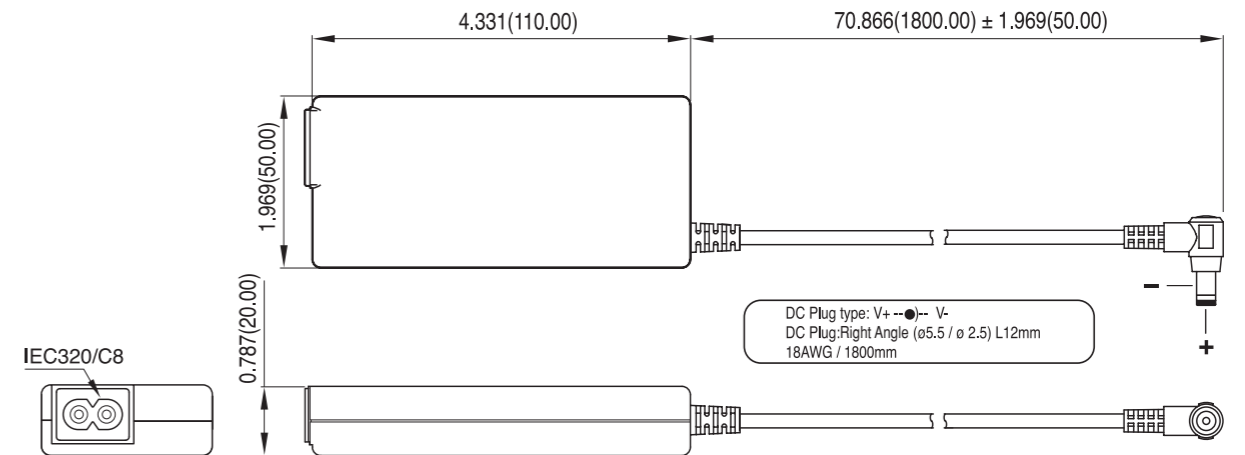


NOTE:

1. Voltage setpoint at 60% 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% 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