TRG36 SERIES
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
* Meet CEC & ErP Level V
* (Output cable length≦1800mm)
  (TRG36A09: Output Cable Length≦1220mm)
  (TRG36A05: Output Cable Length≦720mm 18AWG/UL2464)

Ordering information

TRG36AXX-	XX	X	XX
Model No.	DC Plug Type	OVP	DC Cable Length and Type
		E: With OVP	01: 720mm
			02: 1220mm
			03: 1800mm
			11: 720mm with Ferrite Core
			12:1220mm with Ferrite Core
			13:1800mm with Ferrite Core
			*18AWG/UL1185

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE REGULATION NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE 5
TRG36A05	5V	4.0A	1%	±2%	±1%	±6%	77%
TRG36A09	9V	3.0A	1%	±2%	±1%	±5%	81%
TRG36A12	12V	2.5A	1%	±2%	±1%	±5%	83%
TRG36A13	13.5V	2.4A	1%	±2%	±1%	±5%	83%
TRG36A15	15V	2.4A	1%	±2%	±1%	±3%	84%
TRG36A18	18V	2.0A	1%	±2%	±1%	±2%	86%
TRG36A24	24V	1.5A	1%	±2%	±1%	±2%	87%
TRG36A48	48V	0.75A	1%	±2%	±1%	±2%	87%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac
Frequency ..... 50 to 60Hz
Inrush Current ..... 60A max. @240Vac
Leakage Current ..... 0.25mA max.

OUTPUT SPECIFICATIONS:

Holdup Time ..... 8ms typ. @115Vac
Short Circuit Protection ..... Continuous(Auto Recover)
Over Voltage Protection .....TVS Component to Clamp
Temperature Coefficient ..... ±0.05%/℃

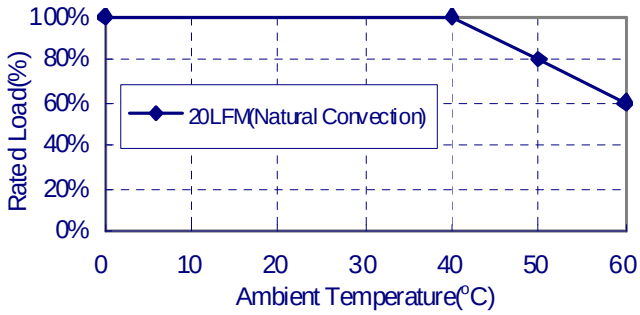
GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC
Operating Temperature ..... 0 ~ 60℃(see derating curve)
Storage Temperature ..... -20~85℃
Humidity ..... 93% RH max. Non condensing
Cooling ..... Natural Convection
Switching Frequency ..... 50~70KHz
MTBF ..... MIL-HDBK-217F, GB, at 25℃/115VAC ..... 200K hrs min.
Altitude 2000m
Dimensions 4.331x1.969x0.787inches (110.00x50.00x20.00mm)
Weight ..... 190g(0.42 Pounds)
AC Inlet IEC320/C8

SAFETY AND EMC:

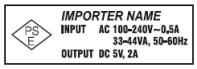
Emission and Immunity ..... EN55022 Class B, FCC Part 15 Class B
EN61000-6-3, EN61000-3-2, EN61000-3-3
EN55024, EN61204-3, EN61000-6-1
Safety IEC60950-1, EN60950-1, UL60950-1

TRG36 Series Derating Curve



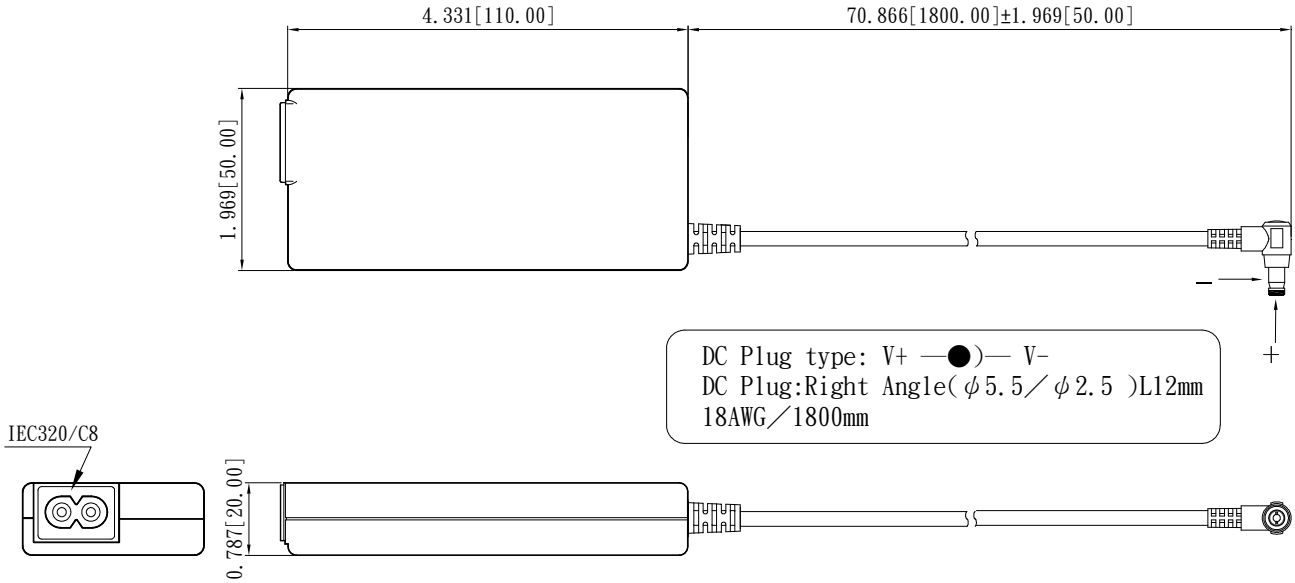
NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
2. Voltage setpoint at 60% load.
3. Line regulation is 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).
5. Typical efficiency at 230VAC and full load at 25℃.
6. "Various TR Series adapters are PSE certified. PSE certification alone is not sufficient for importation into Japan. A valid PSE mark must contain the name of the importer as shown in the example below. If PSE mark is required, the name of the registered importer must be supplied to Cincon on order placement. Product labels will not contain PSE mark if importer name is not supplied. Consult factory or local represent tative for details".



Mechanical Specification

All Dimensions are 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

TRG36A12-12E03 TRG36A13-12E03 TRG36A15-12E03 TRG36A24-11E03 TRG36A48-12E03 TRG36A18-12E03 TRG36A09-11E02 TRG36A05-12E02 TRG36A09-12E02 TRG36A05-11E02 TRG36A09-11E02-Level-V TRG36A09-12E02-Level-V TRG36A12-11E03-Level-V TRG36A12-12E03-Level-V TRG36A13-11E03-Level-V TRG36A13-12E03-Level-V TRG36A15-11E03-Level-V TRG36A15-12E03-Level-V TRG36A18-11E03-Level-V TRG36A18-12E03-Level-V TRG36A24-11E03-Level-V TRG36A24-12E03-Level-V TRG36A48-11E03-Level-V TRG36A48-12E03-Level-V TRG36A05-11E01-Level-V TRG36A05-12E01-Level-V TRG36A48-11E03 TRG36A18-11E03 TRG36A15-11E03 TRG36A13-11E03 TRG36A24-12E03 TRG36A12-11E03 TRG36A05-01E01-Level-V TRG36A05-02E01-Level-V TRG36A09-01E02-Level-V TRG36A09-02E02-Level-V TRG36A12-01E03-Level-V TRG36A12-02E03-Level-V TRG36A13-01E03-Level-V TRG36A13-02E03-Level-V TRG36A15-01E03-Level-V TRG36A15-02E03-Level-V TRG36A18-01E03-Level-V TRG36A18-02E03-Level-V TRG36A24-01E03-Level-V TRG36A24-02E03-Level-V TRG36A48-01E03-Level-V TRG36A48-02E03-Level-V TRG36A13-03E03-LVL-V TRG36A09-26E02-LVL-V TRG36A24-23E03-LVL-V