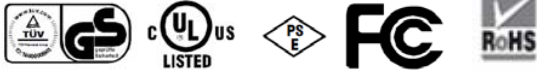




# TR36 SERIES 36W SWITCHING ADAPTER



\* Not CE certified for the EU"

## 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
- \* PSE Mark is Option

## Ordering information

TR36AXX- Model No.	XX DC Plug Type	X OVP Option	XX DC Cable Length and Type
	*Please see Page213 for more detailed descriptions	A: Without OVP Option E: With OVP Option	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	MIN. LOAD	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE REGULATION	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.
TR36A05	5V	0	4.0A	1%	±2%	±1%	±6%	68%
TR36A09	9V	0	3.0A	1%	±2%	±1%	±5%	76%
TR36A12	12V	0	2.5A	1%	±2%	±1%	±5%	78%
TR36A13	13.5V	0	2.4A	1%	±2%	±1%	±5%	80%
TR36A15	15V	0	2.4A	1%	±2%	±1%	±3%	80%
TR36A18	18V	0	2.0A	1%	±2%	±1%	±2%	81%
TR36A24	24V	0	1.5A	1%	±2%	±1%	±2%	81%
TR36A48	48V	0	0.75A	1%	±2%	±1%	±2%	83%

## 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%/°C

### GENERAL SPECIFICATIONS:

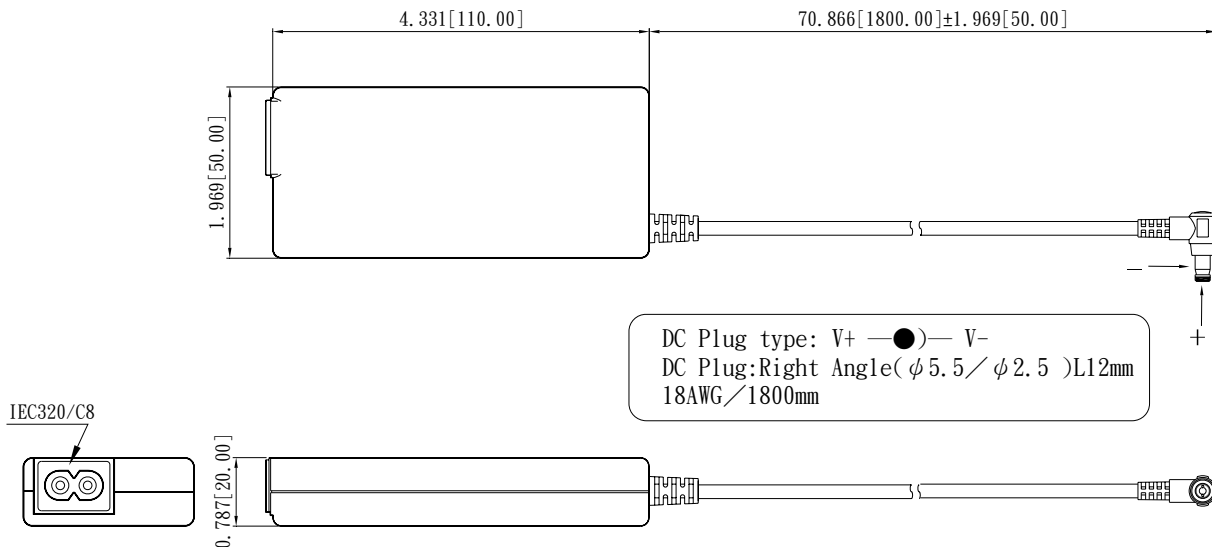
Isolation .....	Input to output = 4,242VDC
Operating Temperature .....	0 ~ 60°C (see derating curve)
Storage Temperature .....	-20~85°C
Humidity .....	93% RH max. Non condensing
Cooling .....	Natural Convection
Switching Frequency .....	50~70KHz Typical
MTBF .....	MIL-HDBK-217F, GB, at 25°C/115VAC ..... 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 EN61000-3-2, EN61000-3-3, EN55024
Safety .....	IEC60950-1, EN60950-1, UL60950-1

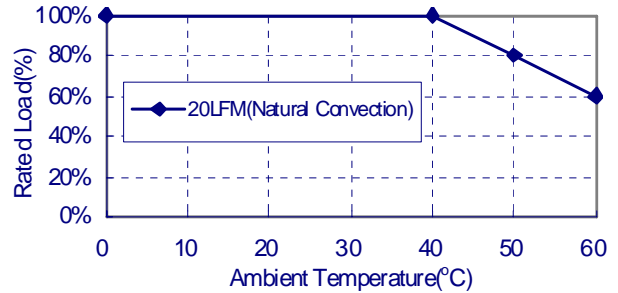
### Mechanical Specification

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

## TR36 Series Derating Curve



### NOTE:

- Voltage setpoint at 60% load
- Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- Line regulation is measured from 100Vac to 240Vac, full load.
- Load regulation measured from 60% to 100% full load and from 60% to 20% load (60% +/- 40% full load)
- "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 representative for details"

