



TRG30RA V SERIES

30W SWITCHING ADAPTER



Features

- * Universal Input Range 90-264VAC
 - * Interchangeable AC Plugs
 - * Meets EN61204-3 Class B and CISPR/FCC Class B
 - * Continuous Short Circuit Protection
 - * Over Voltage Protection
 - * Meet CEC & ErP Level V
- (Output Cable Length \leq 1800mm)
 (TRG30RA050V、TRG30RA090V : Output Cable Length \leq 1220mm)



Ordering information

TRG30RAXXXV - XX E XX - XX -BK

Model No. DC Plug Type DC Cable Length and Type Color of Overmold Case

01: 720mm BE: Blue
 02: 1220mm GY: Gray
 03: 1800mm RD: Red
 11: 720mm with Ferrite Core PE: Purple
 12: 1220mm with Ferrite Core OR: Orange
 13: 1800mm with Ferrite Core

* 18AWG / UL1185
 * 16AWG / UL1185 for 5V、9V

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF. (Typ)
TRG30RA050V	5V	4.0A	0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 6\%$	80%
TRG30RA090V	9V	3.0A	0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	84%
TRG30RA120V	12V	2.5A	0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84%
TRG30RA150V	15V	2.0A	0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	85%
TRG30RA180V	18V	1.67A	0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	85%
TRG30RA240V	24V	1.25A	0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	86%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Input Current 100Vac/0.8A max., 240Vac/0.4A max.
 Inrush Current Cold start@25°C 100A max. @240Vac
 Leakage Current 0.25mA max

OUTPUT SPECIFICATIONS:

Holdup Time 10ms typ. @115Vac
 Short Circuit Protection Hiccup Mode Continuous(Auto Recovery)
 Over Voltage Protection TVS Component to Clamp

GENERAL SPECIFICATIONS:

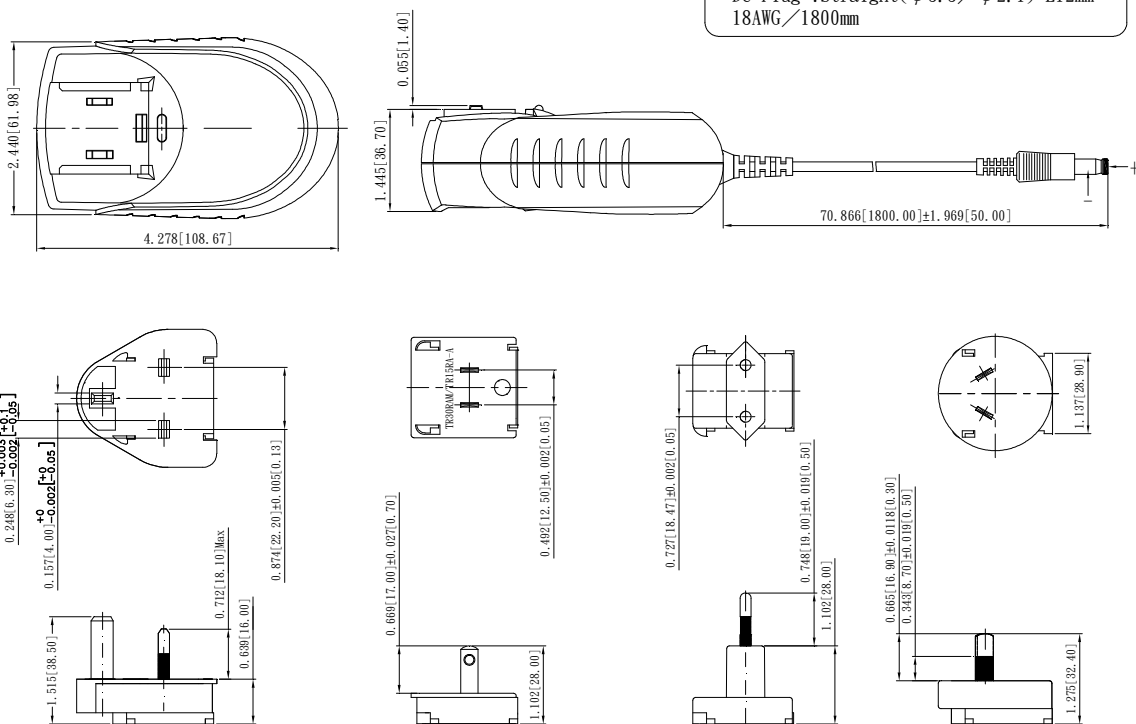
Isolation Input to output = 4,242VDC
 Operating Temperature 0 ~ 60°C(see Drating Curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 70KHz Typical
 MTBF MIL-HDBK-217F, GB, 25°C/115VAC 200K hrs min.
 Altitude 2000m
 Dimensions 4.278x2.440x1.445Inches (108.67x61.98x36.70mm)
 Weight 300g(0.66 Pounds)

SAFETY AND EMC:

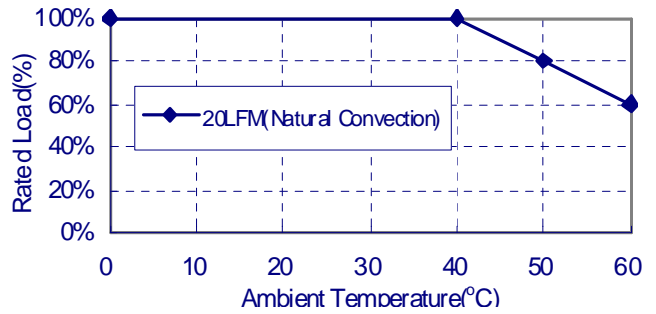
Emission and Immunity EN61204-3, EN 61000-3-2, EN 61000-3-3
 FCC CFR Title 47 Part 15 Subpart B
 Safety IEC60950-1, UL60950-1, EN60950-1

Mechanical Specification

All Dimensions are in inches(mm)
 Tolerance: Inches: X.XXX±0.02
 Millimeters: X.XX±0.5



TRG30RA-V Series Derating Curve



NOTE:

1. Voltage setpoint at 60% full load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to full load and from 60% to 20% load (60% +/- 40% load)
5. "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"



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