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 CoC Tier 2 & DoE Level VI
  (Output Cable Length≦1800mm)
* No Load Power Consumption<75mW



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		OE: Orange	
				13: 1800mm with Ferrite Core			
				* 18AWG / UL1185			
				* 16AWG / UL1185 for Vo: 5V, 9V			

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOET 4	% EFF. (Typ.) NOTE 5
TRG30RA050V	5 V	4.0 A	50mVp-p	±2%	±1%	±6%	83.69%
TRG30RA090V	9 V	3.0 A	90mVp-p	±2%	±1%	±3%	87.30%
TRG30RA120V	12 V	2.5 A	100mVp-p	±2%	±1%	±2%	87.70%
TRG30RA150V	15 V	2.0 A	100mVp-p	±2%	±1%	±2%	87.70%
TRG30RA180V	18 V	1.67 A	100mVp-p	±2%	±1%	±2%	87.70%
TRG30RA240V	24 V	1.25 A	100mVp-p	±2%	±1%	±2%	87.70%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

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

OUTPUT SPECIFICATIONS:

Hold-up Time ..... 10ms typ. @115Vac
Short Circuit Protection ..... Hiccup Mode Continuous(Auto Recovery)
Over Voltage Protection ..... Latch

GENERAL SPECIFICATIONS:

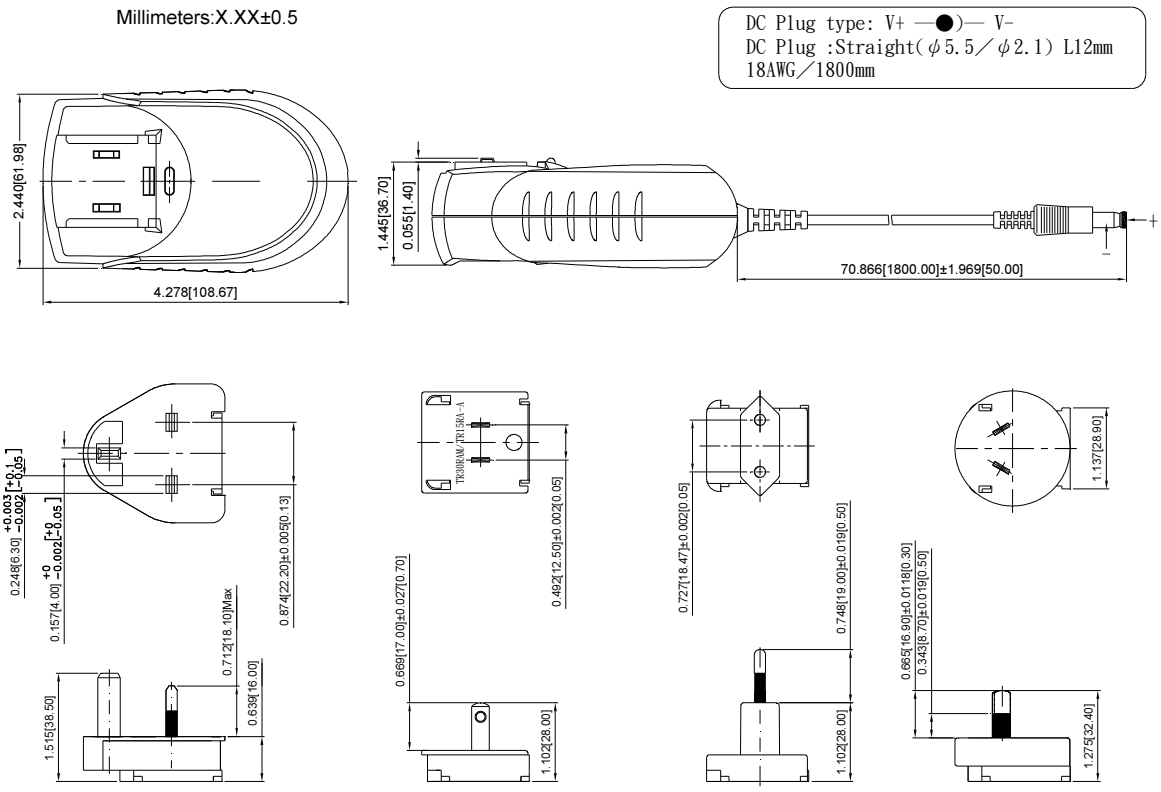
Isolation ..... Input to output (4,242VDC)
Operating Temperature ..... -20 ~ 60℃(see drating curve)
Storage Temperature ..... -20~85℃
Humidity ..... 93% RH max. Non condensing
Cooling ..... Natural Convection
Switching Frequency ..... 70KHz Typical
MTBF ..... MIL-HDBK-217F, GB, 25℃/115VAC ..... 200Khrs min.
Altitude 5000m
Dimensions ..... 4.278x2.440x1.445 inches (108.67x61.98x36.70mm)
Weight ..... 300g(0.66 Pounds)

SAFETY AND EMC:

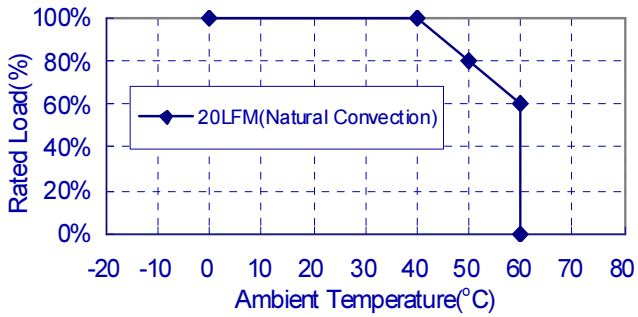
Emission and Immunity ..... EN61204-3, EN 61000-3-2, EN 61000-3-3
FCC CFR Title 47 Part 15 Subpart B
Safety ..... Class II, IEC60950-1, UL60950-1, EN60950-1

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. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage setpoint at 60% full load.
3. Line regulation is measured from 100Vac to 240Vac full load.
4. Load regulation is measured from 60% to full load and from 60% to 20% load (60% +/- 40% load).
5. Average Efficiency measured at 25%,50%,75%,100% load and inpu. voltage is 115Vac / 230Vac.

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