



TRG30R 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 \leq 1800mm)
- * No Load Power Consumption < 75mW



Ordering information

TRG30RXXV	- 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 NOTE 4	%EFF. (Typ.) NOTE 5
TRG30R050V	5V	4.0A	50mVp-p	±2%	±1%	±6%	83.69%
TRG30R090V	9V	3.0A	90mVp-p	±2%	±1%	±3%	87.30%
TRG30R120V	12V	2.5A	100mVp-p	±2%	±1%	±2%	87.70%
TRG30R150V	15V	2.0A	100mVp-p	±2%	±1%	±2%	87.70%
TRG30R180V	18V	1.67A	100mVp-p	±2%	±1%	±2%	87.70%
TRG30R240V	24V	1.25A	100mVp-p	±2%	±1%	±2%	87.70%

Specifications

INPUT SPECIFICATIONS:

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

OUTPUT SPECIFICATIONS:

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

GENERAL SPECIFICATIONS:

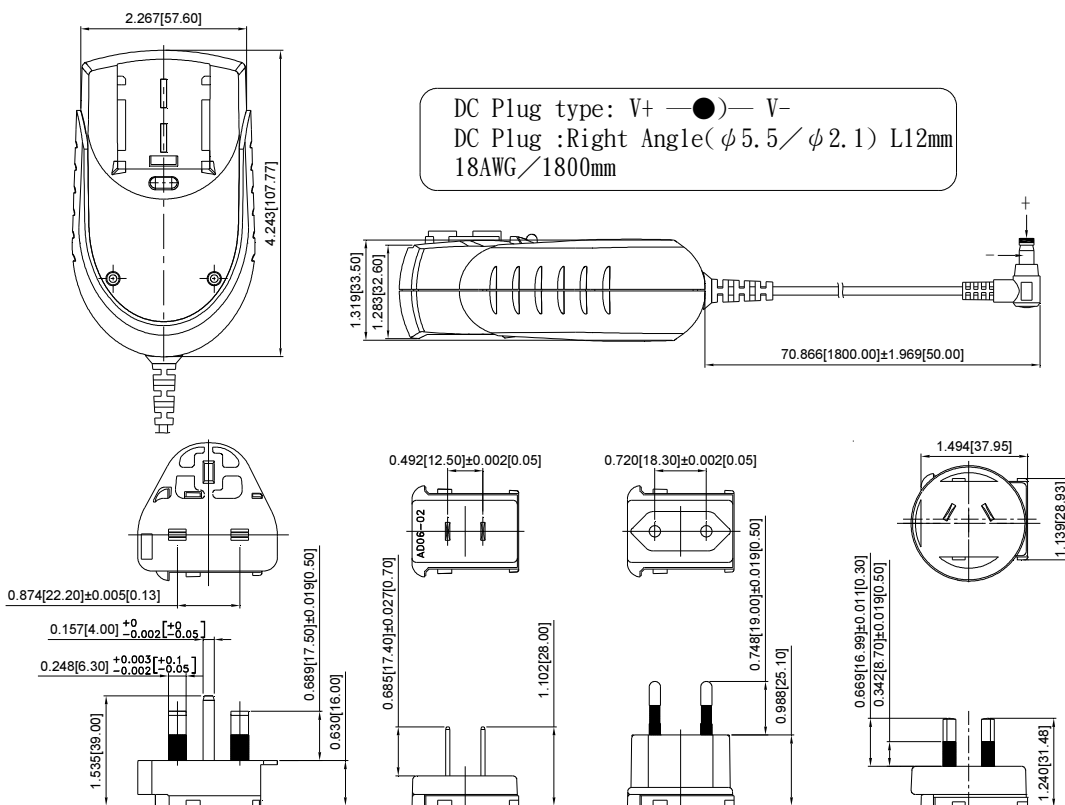
Isolation Input to output (4,242VDC)
 Operating Temperature -20 ~ 60°C (see Drating Curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 70KHz Typical
 MTBF MIL-HDBK-217F, GB, 25°C/115VAC 200Khrs min.
 Altitude 5000m
 Dimensions 4.243x2.267x1.319 inches (107.77x57.60x33.50mm)
 Weight 300g(0.66 Pounds)

SAFETY AND EMC:

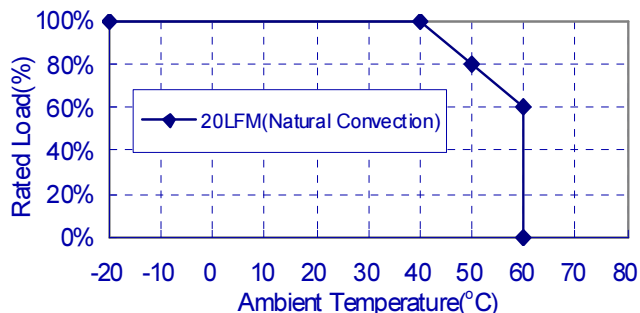
Emission and Immunity EN61204-3, EN61000-3-2, EN61000-3-3
 FCC CFR Title 47 Part 15 Subpart B
 Safety Class II, IEC60950-1, UL60950-1, EN60950-1

Mechanical Specification

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



TRG30R-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 with 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 input voltage is 115Vac / 230Vac.