



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

TRG30RXXXV -XX	E XX	-XX	-BK
Model No.	DC Plug Type	OVP 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	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	AVERAGE EFFICIENCY min. NOTE 5
TRG30R050V	5V	4.0A	50mVp-p	±2%	±1%	±6%	83.69%
TRG30R090V	9V	3.0A	1%	±2%	±1%	±3%	87.30%
TRG30R120V	12V	2.5A	1%	±2%	±1%	±2%	87.70%
TRG30R150V	15V	2.0A	1%	±2%	±1%	±2%	87.70%
TRG30R180V	18V	1.67A	1%	±2%	±1%	±2%	87.70%
TRG30R240V	24V	1.25A	1%	±2%	±1%	±2%	87.70%

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Input Current	0.8Amax.
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

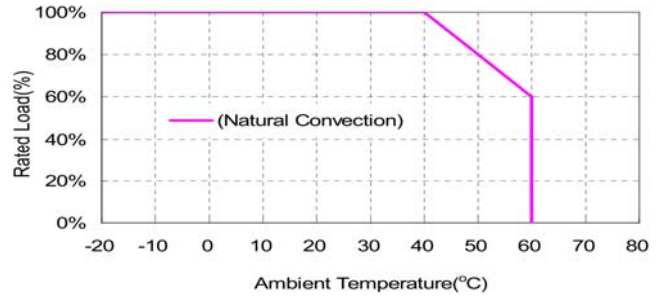
GENERAL SPECIFICATIONS:

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	65KHz 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

TRG30R-V Series Derating Curve

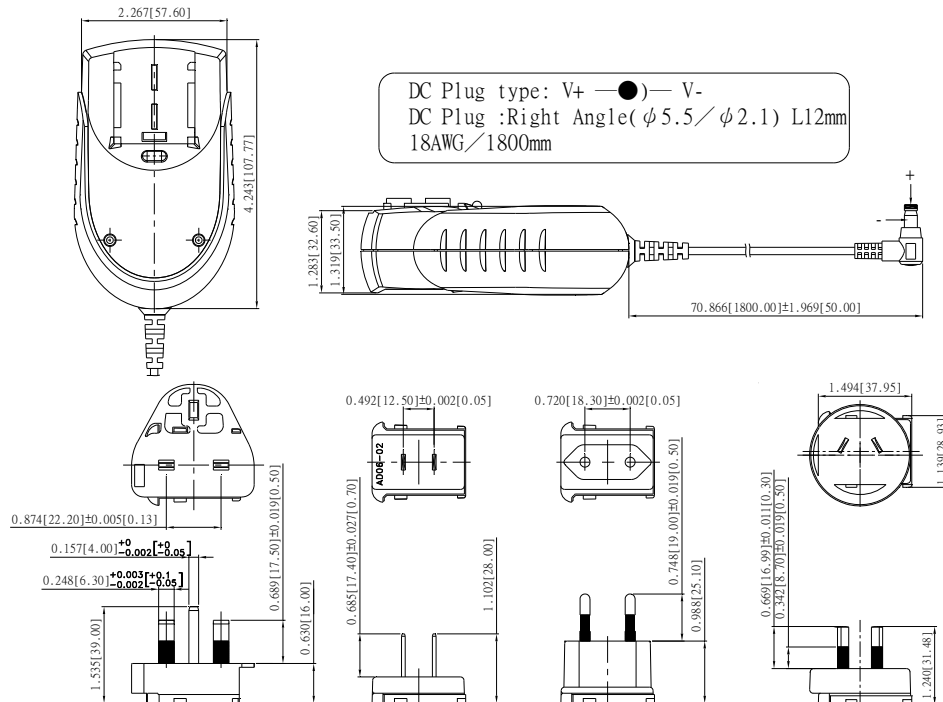


NOTE:

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 measured from 100Vac to 240Vac full load.
4. Load regulation 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.

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