



TRG10R SERIES

10W SWITCHING ADAPTER



Features

- * Universal Input: 90~264Vac
- * Continuous Short Circuit Protection
- * Interchangeable AC Plugs
- * EMI Meets EN55022 Class "B" and CISPR/FCC Class B
- * Meet CoC V5 Tier 2 & DoE Level VI
(Output cable length \leq 1800mm)
- * Over Voltage Protection
- * No Load Power Consumption < 75mW



Ordering information

TRG10RXXX	- XX	E	XX
Model No.	DC Plug Type	With OVP	DC Cable Length and Type
			01: 720mm
			02: 1220mm
			03: 1800mm
			11: 720mm with Ferrite Core
			12: 1220mm with Ferrite Core
			13: 1800mm with Ferrite Core
			* 18AWG / UL1185 for Vo: 5V, 5.9V, 6V, 7.5V, 9V
			* 20AWG / UL1185 for Vo: 12V, 13.6V
			* 22AWG / UL1185 for Vo: 15V, 18V
			* 24AWG / UL1185 for Vo: 24V

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	AVG. EFF.
TRG10R050	5V	1600mA	50mV	±2%	±1%	±4%	77.37%
TRG10R059	5.9V	1500mA	1%	±2%	±1%	±3%	78.12%
TRG10R060	6.0V	1500mA	1%	±2%	±1%	±3%	81.57%
TRG10R075	7.5V	1200mA	1%	±2%	±1%	±3%	81.57%
TRG10R090	9V	1100mA	1%	±2%	±1%	±2%	82.14%
TRG10R120	12V	850mA	1%	±2%	±1%	±2%	82.32%
TRG10R136	13.6V	750mA	1%	±2%	±1%	±2%	82.32%
TRG10R150	15V	700mA	1%	±2%	±1%	±2%	82.49%
TRG10R180	18V	550mA	1%	±2%	±1%	±2%	82.14%
TRG10R240	24V	400mA	1%	±2%	±1%	±2%	81.96%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Input Current	0.4A max.
Inrush Current	40A max. @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	0.25mA max.

OUTPUT SPECIFICATIONS:

Holdup Time	10mS typ. @115Vac
Short Circuit Protection	Continuous(Auto Recovery)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/°C

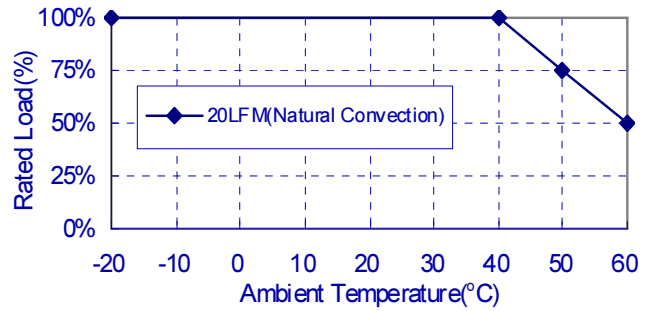
GENERAL SPECIFICATIONS:

Isolation	Input to output = 4,242VDC
Operating Temperature	-20 ~ 60°C (see Derating Curve)
Storage Temperature	-20~85°C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	67KHz typ.
MTBF	MIL-HDBK-217F, GB, 25°C/115VAC 200K hrs min.
Altitude	2000m
Dimensions	2.858x1.823x1.402Inches (72.6x46.3x35.6mm)
Weight	130g(0.29 Pounds)

SAFETY AND EMC:

Emission and Immunity	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety	Class II, IEC60950-1, EN60950-1, UL60950-1

TRG10R Series Derating Curve

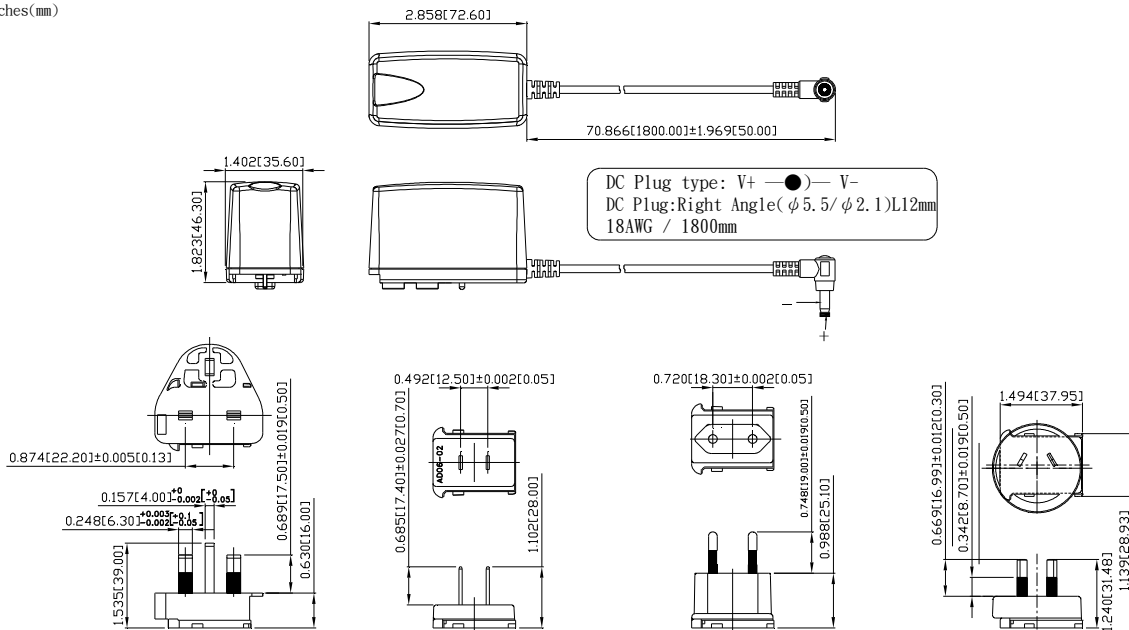


NOTE:

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).

Mechanical Specification

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



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

Mouser Electronics

Authorized Distributor

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