



TR10R SERIES

10W SWITCHING ADAPTER



* Not CE certified for the EU"

Features

- * Universal Input: 90-264Vac
- * Interchangeable AC Plugs
- * EMI Meets EN55022 Class "B" and CISPR/FCC Class B, Conducted
- * Continuous Short Circuit Protection



Ordering information

TR10RXXX - XX X XX
Model No. DC Plug Type DC Cable Length and Type

A: Without OVP
Option
* Please see Page 213 for more detailed descriptions
01: 720mm
02: 1200mm
03: 1800mm
11: 7200mm with Ferrite Core
12: 1200mm with Ferrite Core
13: 1800mm with Ferrite Core

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	(%) EFF. (Typ.)
TR10R033	3.3V	1600mA	0A	50mV	±3%	±1%	±4%	60%
TR10R050	5V	1600mA	0A	50mV	±2%	±1%	±4%	65%
TR10R060	6V	1500mA	0A	1%	±2%	±1%	±3%	68%
TR10R075	7.5V	1200mA	0A	1%	±2%	±1%	±3%	68%
TR10R090	9V	1100mA	0A	1%	±2%	±1%	±2%	73%
TR10R120	12V	850mA	0A	1%	±2%	±1%	±2%	73%
TR10R136	13.6V	750mA	0A	1%	±2%	±1%	±2%	76%
TR10R150	15V	700mA	0A	1%	±2%	±1%	±2%	75%
TR10R180	18V	550mA	0A	1%	±2%	±1%	±2%	76%
TR10R240	24V	400mA	0A	1%	±2%	±1%	±2%	76%

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 Current Protection Constant Current type
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

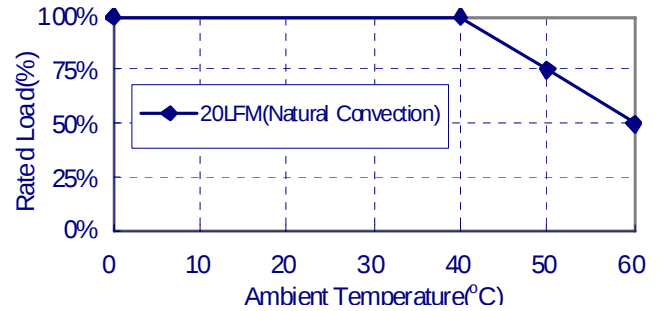
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature 0 ~ 60°C (see derating curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 40KHz Typical
 MTBF MIL-HDBK-217F, GB, 25°C/115VAC 200K hrs min.
 Altitude 2000m
 Dimensions 2.835x1.811x1.378Inches (72.00x46.00x35.00mm)
 Weight 155g(0.34 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 IEC60950-1, EN60950-1, UL60950-1

TR10R Series Derating Curve

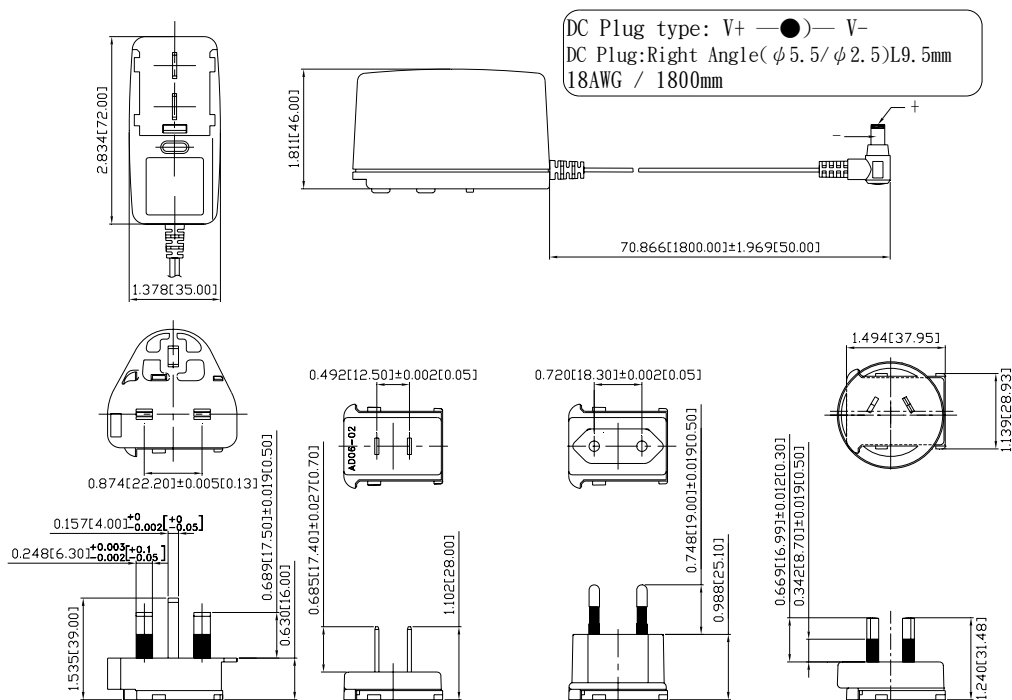


NOTE:

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)

Mechanical Specification

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



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

<u>TR10R136-11A03</u>	<u>TR10R150-11A03</u>	<u>TR10R090-12A03 W/4 PLUG KIT</u>	<u>TR10R120-20A03</u>	<u>TR10R033-11A03</u>	
<u>TR10R033-12A03</u>	<u>TR10R050-11A03</u>	<u>TR10R050-12A03</u>	<u>TR10R060-11A03</u>	<u>TR10R060-12A03</u>	<u>TR10R060-13A03</u>
<u>TR10R075-11A03</u>	<u>TR10R075-12A03</u>	<u>TR10R090-11A03</u>	<u>TR10R090-12A03</u>	<u>TR10R120-11A03</u>	<u>TR10R120-12A03</u>
<u>TR10R136-12A03</u>	<u>TR10R150-12A03</u>	<u>TR10R180-11A03</u>	<u>TR10R180-12A03</u>	<u>TR10R240-11A03</u>	<u>TR10R240-11A01</u>
<u>TR10R240-12A03</u>	<u>TR10R120-12A03+PSE</u>	<u>TR10R150-ASUE-12A03</u>			