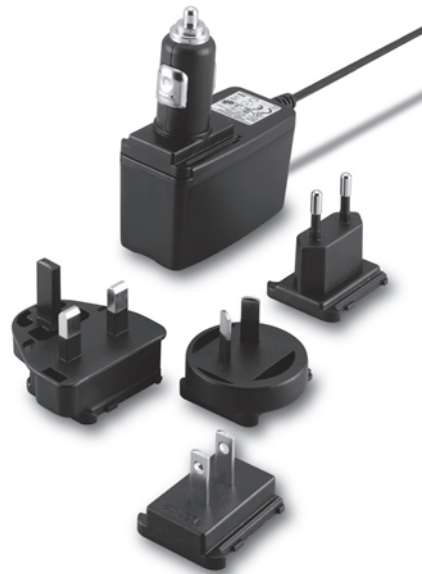


TRG10RAD050

S E R I E S

10W AC/DC & DC/DC SWITCHING ADAPTER



Features

- Universal Input: (a) 90-264VAC
(b) 11-30VDC
- Continuous Short Circuit Protection.
- Interchangeable AC OR DC Plug.
- EMI Meets EN55022 Class "B" and CISPR/FCC Class B.
- Meet CEC & ErP Level V
(Output cable length \leq 1500mm)

Ordering information

TRG10RAD050 - XX	X	XX	
Model No.	DC Plug Type * Please see Page215 for more detailed descriptions	OVP E: With OVP Option	DC Cable Length and Type 01 : 720mm 02 : 1220mm 11 : 720mm with Ferrite Core 12 : 1220mm with Ferrite Core * 18AWG / UL1185

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF. (Typ.)
TRG10RAD050	5V	2000mA	0 A	50mV	\pm 2%	\pm 1%	\pm 5%	73%

Specifications

AC INPUT SPECIFICATIONS:

Voltage 90-264Vac
 Plug A1 or A2 or A3 or A4 or A5
 Frequency 47 to 63Hz
 Input Current 0.4A max.
 Inrush Current 40A max. @240Vac, cool start
 Conducted EMI CISPR/FCC Class B
 Leakage Current 0.25mA max.

AC OUTPUT SPECIFICATIONS:

Holdup Time 10ms typ. @115Vac
 Short Circuit Protection Continuous(Auto Recovery)
 Over Voltage Protection Yes

DC INPUT SPECIFICATIONS:

Voltage 11 - 30Vdc
 Plug A6

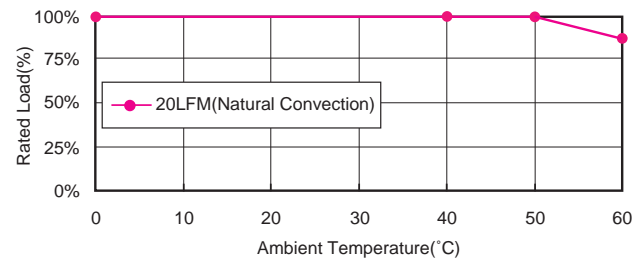
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature 0 - 40°C (see derating curve)
 Storage Temperature -20 - 85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 70KHz Typical
 Altitude 2000m
 Dimensions 2.858x1.402x1.823 inches (72.60x35.60x46.30mm)
 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 IEC60950-1, EN60950-1, UL60950-1

TRG10RAD050 Series Derating Curve



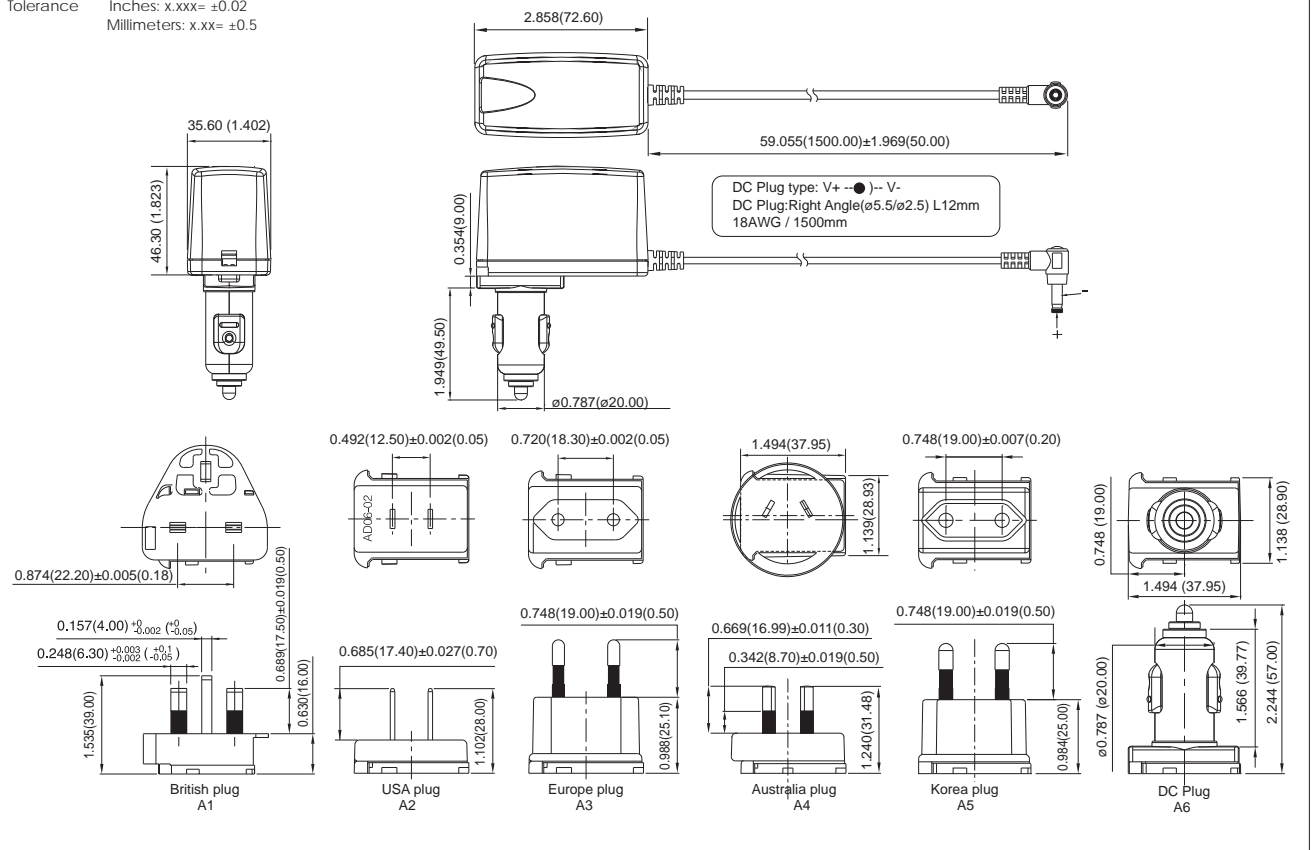
NOTE:

- Voltage setpoint at 60% full load.
- Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- Line regulation is measured from 100Vac to 240Vac with full load.
- Load regulation is measured from 60% to 100% full load and from 60% to 20% full load. (60% +/- 40% load)

TRG10RAD050

Mechanical Specification

All Dimensions 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