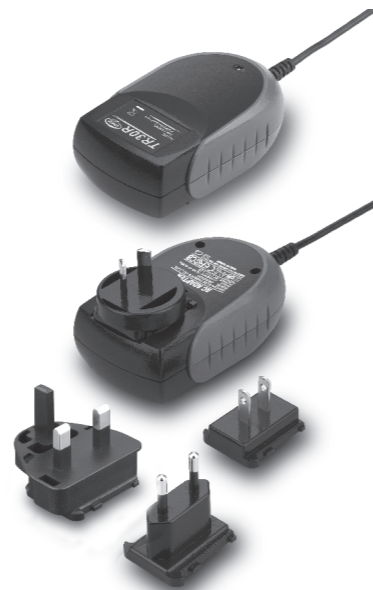


TRG30R

S E R I E S

30W SWITCHING ADAPTER



Features

- Universal Input Range 90-264VAC
- Interchangeable AC Plugs
- Meets EN61204-3 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Length ≤ 1800mm)
 (TRG30R090: Output Cable Length ≤ 1220mm)
 (TRG30R120: Output Cable Length ≤ 1500mm)

Ordering information

TRG30RXXX	XX	E	XX	XX	-BK
Model No.	DC Plug Type	DC Cable Length and Type	Color of Overmold Case		
* Please see Page 235 for more detailed descriptions					
		01 : 720mm	BE : Blue		
		02 : 1200mm	GY : Gray		
		03 : 1800mm	RD : Red		
		11 : 720mm with Ferrite Core	PE : Purple		
		12 : 1200mm with Ferrite Core	OR : Orange		
		13 : 1800mm with Ferrite Core			
		* 18AWG / UL1185			

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF
TRG30R090	9V	3.3A	0 A	1%	± 2%	± 1%	± 3%	60KHz Typ.	78% min.
TRG30R120	12V	2.5A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	79% min.
TRG30R150	15V	2.0A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	81% min.
TRG30R180	18V	1.65A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	81% min.
TRG30R240	24V	1.25A	0 A	1%	± 2%	± 1%	± 2%	60KHz Typ.	83% min.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Input Current0.8A max.
 Inrush Current.....50A max. @240Vac
 IsolationInput to output =4,242VDC
 Leakage Current.....0.25mA max

OUTPUT SPECIFICATIONS:

Holdup Time10mS typ. @115Vac
 Short Circuit ProtectionContinuous (Auto Recovery)
 Over Voltage ProtectionYes

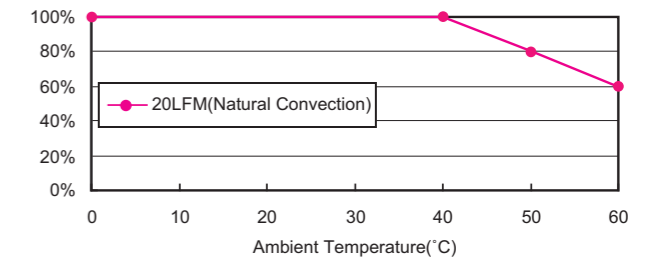
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature0 ~ 40°C
 Storage Temperature-20 ~ 85°C
 Cooling.....Natural Convection

MECHANICAL CHARACTERISTICS:

Dimensions107.77 x 57.60 x 33.50mm(4.234 x 2.267 x 1.319 Inches)
 Weight300g (0.66 Pounds)

TRG30R Series Derating Curve



NOTE:

1. Voltage setpoint at 60% load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW
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)

Mechanical Specification

All Dimensions In Inches(mm)
 Tolerance Inches: x.xxx= ±0.02
 Millimeters: x.xx= ±0.5

