

# TRG30RA

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) (TRG30RA090: Output Cable Length ≤1220mm)

### Ordering information

Model No.	DC Plug Type	DC Cable Length and Type	Color of Overmold Case
TRG30RAXXX - XX - E - XX - XX - BK			
		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
TRG30RA090	9V	3.3A	0A	±1%	±2%	±1%	±3%	60KHz Typ.	78% min.
TRG30RA120	12V	2.5A	0A	±1%	±2%	±1%	±2%	60KHz Typ.	79% min.
TRG30RA150	15V	2.0A	0A	±1%	±2%	±1%	±2%	60KHz Typ.	81% min.
TRG30RA180	18V	1.65A	0A	±1%	±2%	±1%	±2%	60KHz Typ.	81% min.
TRG30RA240	24V	1.25A	0A	±1%	±2%	±1%	±2%	60KHz Typ.0	83% min.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage .....90 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Input Current .....0.8A max.  
 Inrush Current.....50A max. @240Vac  
 Isolation .....Input to output =4,242VDC  
 Leakage Current.....0.25mA max

#### OUTPUT SPECIFICATIONS:

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

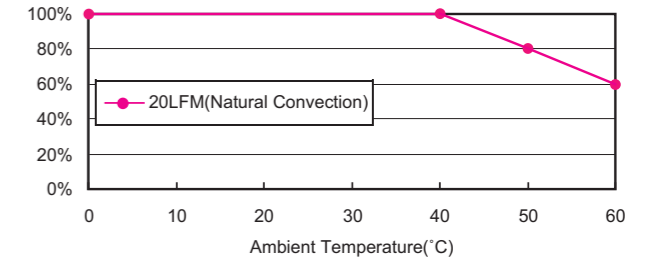
#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature .....0 ~ 40°C  
 Storage Temperature .....-20 ~ 85°C  
 Cooling.....Natural Convection

#### MECHANICAL CHARACTERISTICS:

Dimensions .....108.67 x 61.98 x 36.70mm(4.278 x 2.440 x 1.445 Inches)  
 Weight .....300g (0.66 Pounds)

### TRG30RA Series Derating Curve

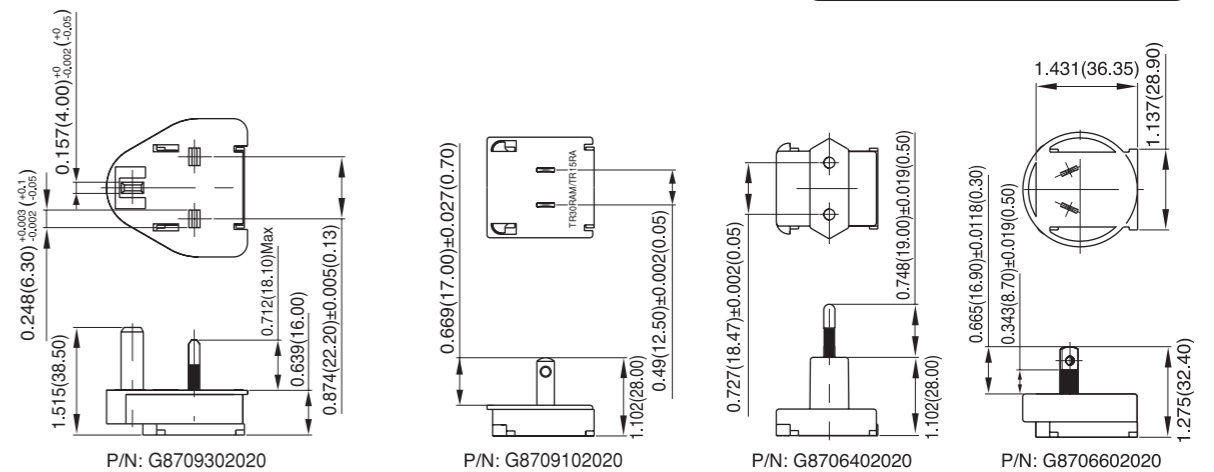
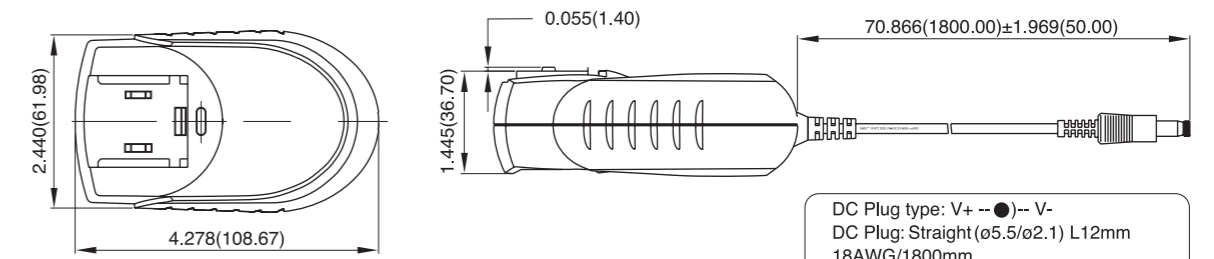


#### NOTE:

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



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