

# TRG15

S E R I E S

## 15W SWITCHING ADAPTER



### Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection
- CEC Level IV Compliant (Output Cable Length ≤ 1800mm)

### Ordering information

TRG15XX	- X	- XX	X	XX
Model No.	AC Plug Type	DC Plug Type	OVP	DC Cable Length and Type
	A : USA 2 Pin	* Please see Page235 for more detailed descriptions	E : With OVP	01 : 720mm
	E : Europe 2 Pin			02 : 1200mm
	U : British 3 Pin			03 : 1800mm
	S : Australia 2 Pin			11 : 720mm with Ferrite Core
				12 : 1200mm with Ferrite Core
				13 : 1800mm with Ferrite Core
				* 20AWG / UL2468

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF
TRG1505	5V	2.0 A	0A	1%	± 2%	± 1%	± 4%	87KHz Typ.	72% Typ.
TRG1506	6V	1.5 A	0A	1%	± 2%	± 1%	± 3%	87KHz Typ.	76% Typ.
TRG1507	7.5V	1.6 A	0A	1%	± 2%	± 1%	± 3%	87KHz Typ.	77% Typ.
TRG1509	9V	1.4 A	0A	1%	± 2%	± 1%	± 2%	87KHz Typ.	77% Typ.
TRG1512	12V	1.0 A	0A	1%	± 2%	± 1%	± 2%	87KHz Typ.	80% Typ.
TRG1512-01	13.6V	1.0 A	0A	1%	± 2%	± 1%	± 2%	87KHz Typ.	81% Typ.
TRG1515	15V	1.0 A	0A	1%	± 2%	± 1%	± 2%	87KHz Typ.	81% Typ.
TRG1518	18V	0.83 A	0A	1%	± 2%	± 1%	± 2%	87KHz Typ.	83% Typ.
TRG 1524	24V	0.63A	0A	1%	± 2%	± 1%	± 2%	87KHz Typ.	83% Typ.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage .....90 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Input Current .....0.5A 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:

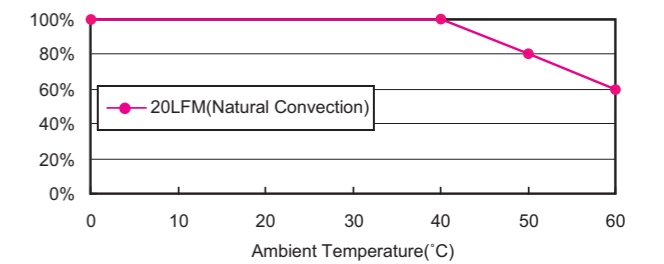
Operating Temperature .....0 ~ 40°C  
 Storage Temperature .....-20 ~ 85°C  
 Cooling.....Natural Convection

#### MECHANICAL CHARACTERISTICS:

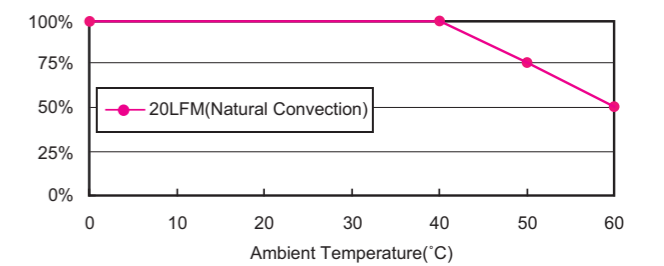
Dimensions .....72.00 x 52.00 x 35.00mm (2.835 x 2.047 x 1.378 Inches)  
 Weight .....140g (0.35Pounds)

### TRG15 Series Derating Curve

#### TRG1505, 1506, 1507, 1509, 1512, 1512-01



#### TRG1515, 1518, 1524

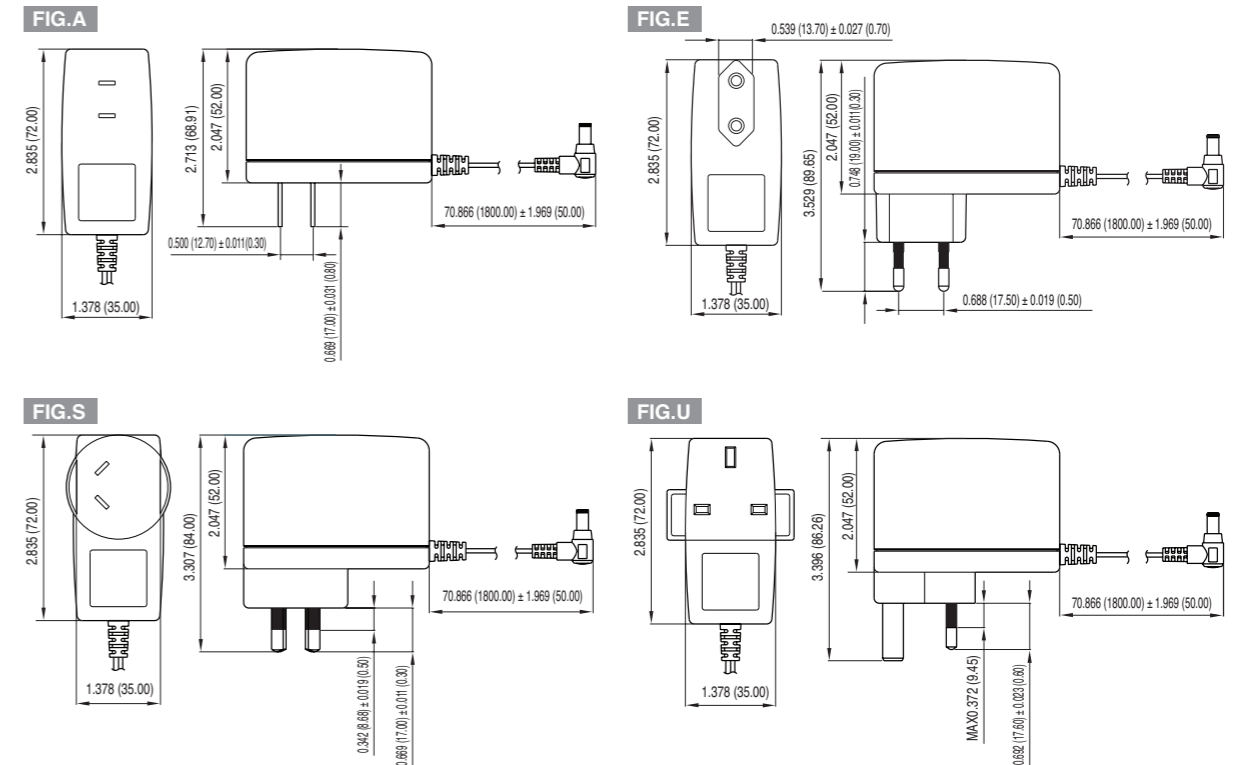


#### NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full 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