



TR15RA SERIES

15W SWITCHING ADAPTER

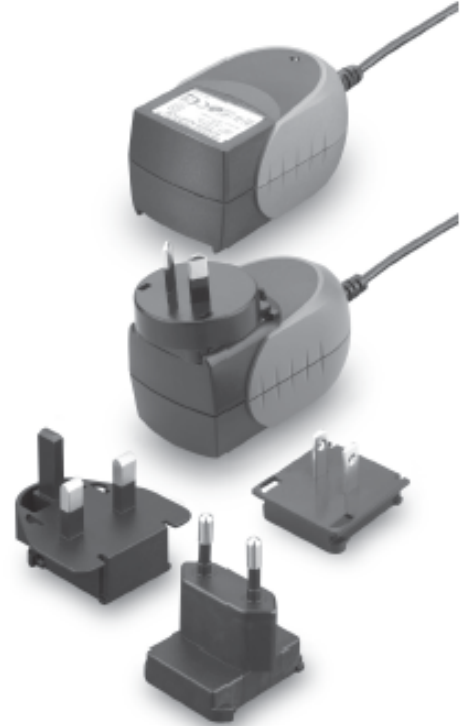


Features

- * Universal Input Range 90~264VAC
- * Two Color Case
- * Meets EN55032 Class "B"
- * Continuous Short Circuit Protection
- * Interchangeable AC Plugs
- * Over Voltage Protection
- * Meet CoC V5 Tier 2 & DoE Level VI
(Output Cable Length $\leq$ 1800mm)

Ordering information

TR15RAXXX -	XX	E	XX	-	XX	-BK
Model No.	DC Plug Type	DC Cable Length and Type		Color of Overmold Case		
		01: 720mm		BE: Blue		
		02: 1220mm		GY: Gray		
		03: 1800mm		RD: Red		
		11: 720mm with Ferrite Core		PE: Purple		
		12: 1220mm with Ferrite Core		OE: Orange		
		13: 1800mm with Ferrite Core				
		* 18AWG / UL1185				



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (AVG.)
TR15RA050	5 V	2.0 A	1%	$\pm 3\%$	$\pm 1\%$	$\pm 4\%$	79.01%
TR15RA059	5.9 V	1.7 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	79.03%
TR15RA090	9 V	1.4 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	83.55%
TR15RA120	12 V	1.1 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	83.81%
TR15RA150	15 V	1.0 A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84.51%
TR15RA180	18 V	830 mA	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84.49%
TR15RA240	24 V	625 mA	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	84.51%

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac 120~370Vdc
Frequency	47 to 63Hz
Inrush Current	90A max. @240Vac
Leakage Current	0.25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time	10ms typ. @115Vac
Short Circuit Protection	Continuous (Auto Recovery)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05% / °C

GENERAL SPECIFICATIONS:

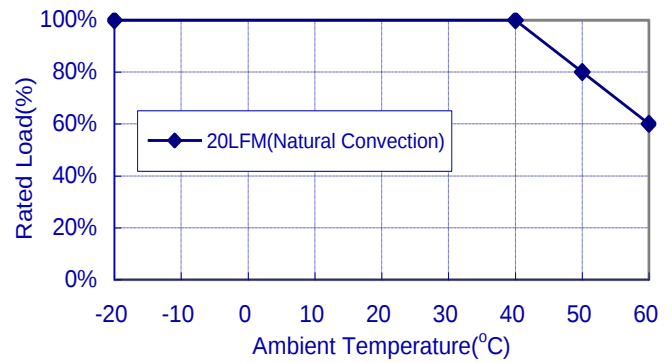
Isolation	Input to Output = 4,242VDC
Operating Temperature	-20 ~ 60°C (See Derating Curve)
Storage Temperature	-20~85°C
Humidity	93% RH max. Non Condensing
Cooling	Natural Convection
Switching Frequency	65KHz Typical
MTBF	MIL-HDBK-217F. GB. at 25°C/115VAC 200Khrs min.
Altitude	2000m
Dimensions	3.173x1.885x1.705 inches (80.60x47.90x43.30mm)
Weight	150g (0.33 Pounds)

SAFETY AND EMC:

Emission and Immunity	EN55032 Class B, EN61000-6-3 EN61000-3-2, EN61000-3-3, EN55024, EN61204-3, EN61000-6-1
Safety	IEC/UL 60950-1

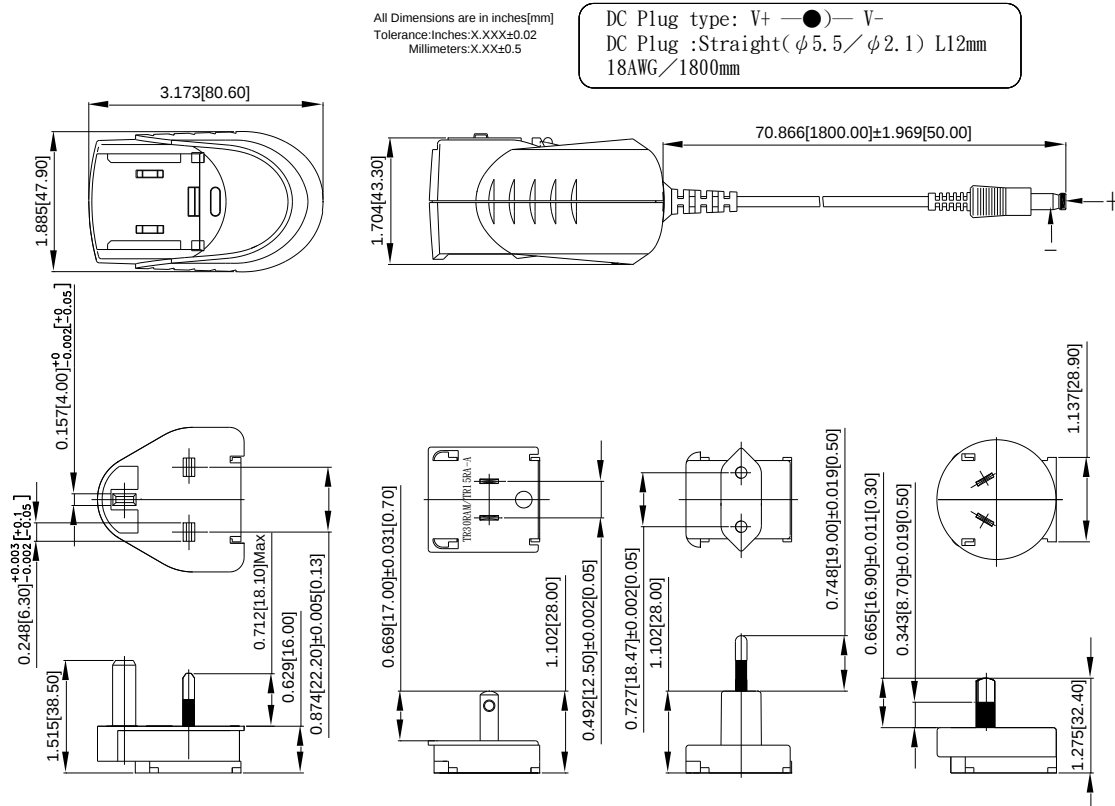
Mechanical Specification

TR15RA Series Derating Curve



NOTE:

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



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

Mouser Electronics

Authorized Distributor

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Cincon:

[TR15RA150-01E03-GY-BK-Level-VI](#) [TR15RA240-01E03-GY-BK-Level-VI](#) [TR15RA240-12E13-GY-BK-Level-VI](#)
[TR15RA240-36E03-GY-BK-Level-VI](#) [TR15RA240-48E03-GY-BK-Level-VI](#) [TR15RA180-01E03-GY-BK-Level-VI](#)
[TR15RA120-48E03-GY-BK-Level-VI](#) [TR15RA150-02E03-GY-BK-Level-VI](#) [TR15RA180-11E03-GY-BK-Level-VI](#)
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[TR15RA090-01E03-GY-BK-Level-VI](#) [TR15RA120-40E03-GY-BK-Level-VI](#) [TR15RA050-11E03-GY-BK-Level-VI](#)
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