



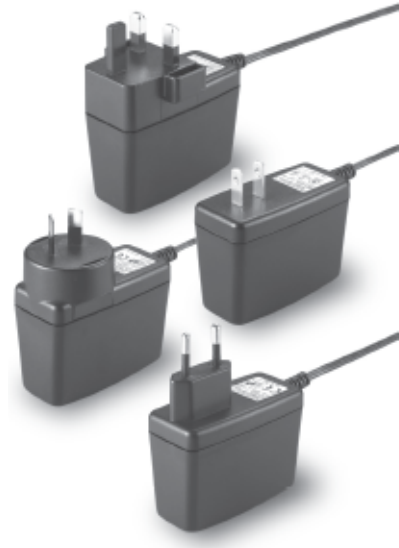
TRH25 SERIES

25W SWITCHING ADAPTER



Features

- * Miniature Size
 - * Universal Input: 90~264Vac
 - * EMI Meets EN55032 Class B and CISPR/FCC Class B
 - * Continuous Short Circuit Protection
 - * Over Voltage Protection
 - * No Load Power Consumption < 75mW
 - * Meet CoC V5 Tier 2 & DoE Level VI
 - * Class II
- (Output Cable Length \leq 1800mm)
 (TRH25033: Output Cable Length \leq 720mm)
 (TRH25050: Output Cable Length \leq 1220mm)



Ordering information

TRH25	XXX	X	XX	X	XX
Model No.	AC Plug Type	DC Plug Type	OVP	DC Cable Length and Type	
	A: USA 2 Pin		E: With OVP	01: 720mm	
	E: Europe 2 Pin			02: 1220mm	
	U: British 3 Pin			03: 1800mm	
	S: Australia 2 Pin			11: 720mm with Ferrite Core	
				12: 1220mm with Ferrite Core	
				13: 1800mm with Ferrite Core	
				* 16AWG / UL1185 for Vo: 5V, 3.3V	
				* 18AWG / UL1185 for Vo: 12V	
				* 20AWG / UL1185 for Vo: 15V	
				* 22AWG / UL1185 for Vo: 18V	
				* 24AWG / UL1185 for 24V	

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	AVG. EFF.
TRH25033	3.3V	4.0A	50mVp-p	$\pm 2\%$	$\pm 1\%$	$\pm 6\%$	80.97%
TRH25050	5V	4.0A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 6\%$	83.69%
TRH25120	12V	2.1A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 5\%$	87.02%
TRH25150	15V	1.67A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 3\%$	86.99%
TRH25180	18V	1.4A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	87.02%
TRH25240	24V	1.05A	1%	$\pm 2\%$	$\pm 1\%$	$\pm 2\%$	87.02%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac 120~370Vdc
Frequency	47 to 63Hz
Input Current	0.7A max.
Inrush Current	60A max. @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	0.25mA max.

OUTPUT SPECIFICATIONS:

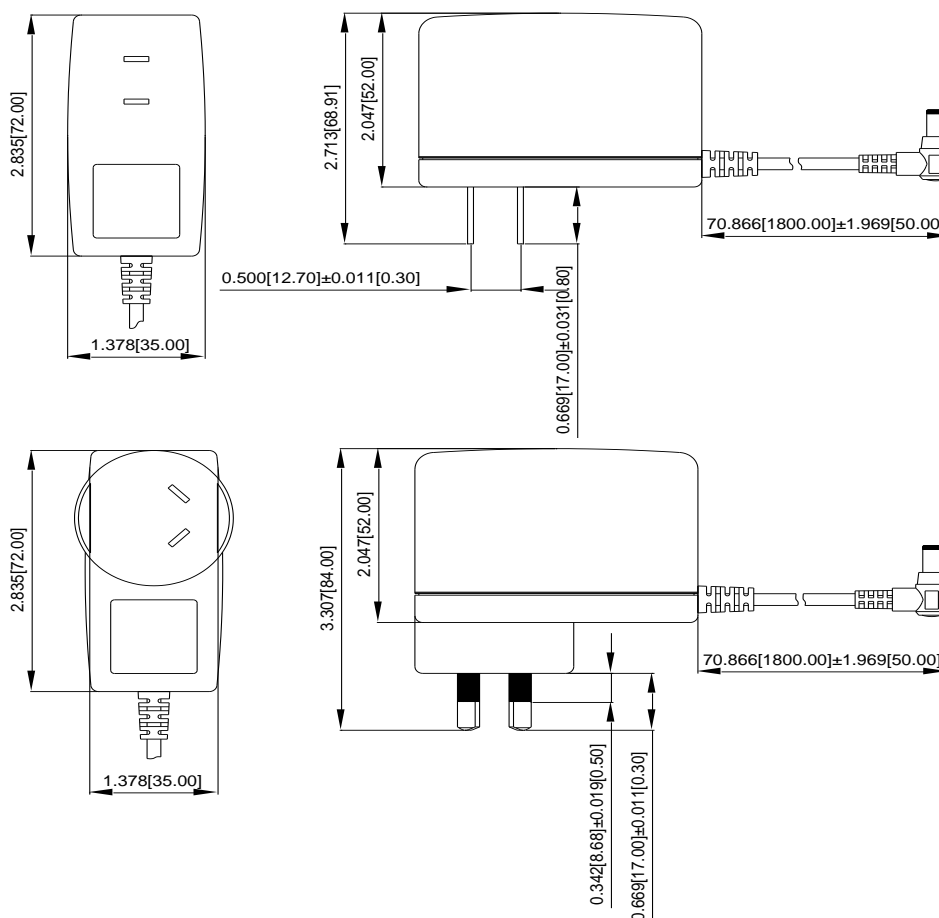
Holdup Time	10ms typ. @115Vac
Short Circuit Protection	Continuous (Auto Recovery)
Over Voltage Protection	TVS Component to Clamp

Temperature Coefficient	±0.05%/°C max.
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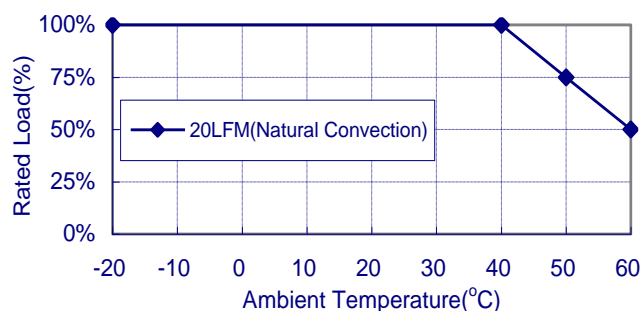
GENERAL SPECIFICATIONS:

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	67KHz typ.
MTBF	MIL-HDBK-217F, GB, 25°C/115VAC 425Khrs min.
Altitude	2000m
Dimensions	2.835x2.047x1.378Inches (72.00x52.00x35.00mm)
Weight	140g (0.31 Pounds)

Mechanical Specification



TRH25 Series Derating Curve



SAFETY AND EMC:

Emission and Immunity EN55032 Class B, FCC Part 15 Class B

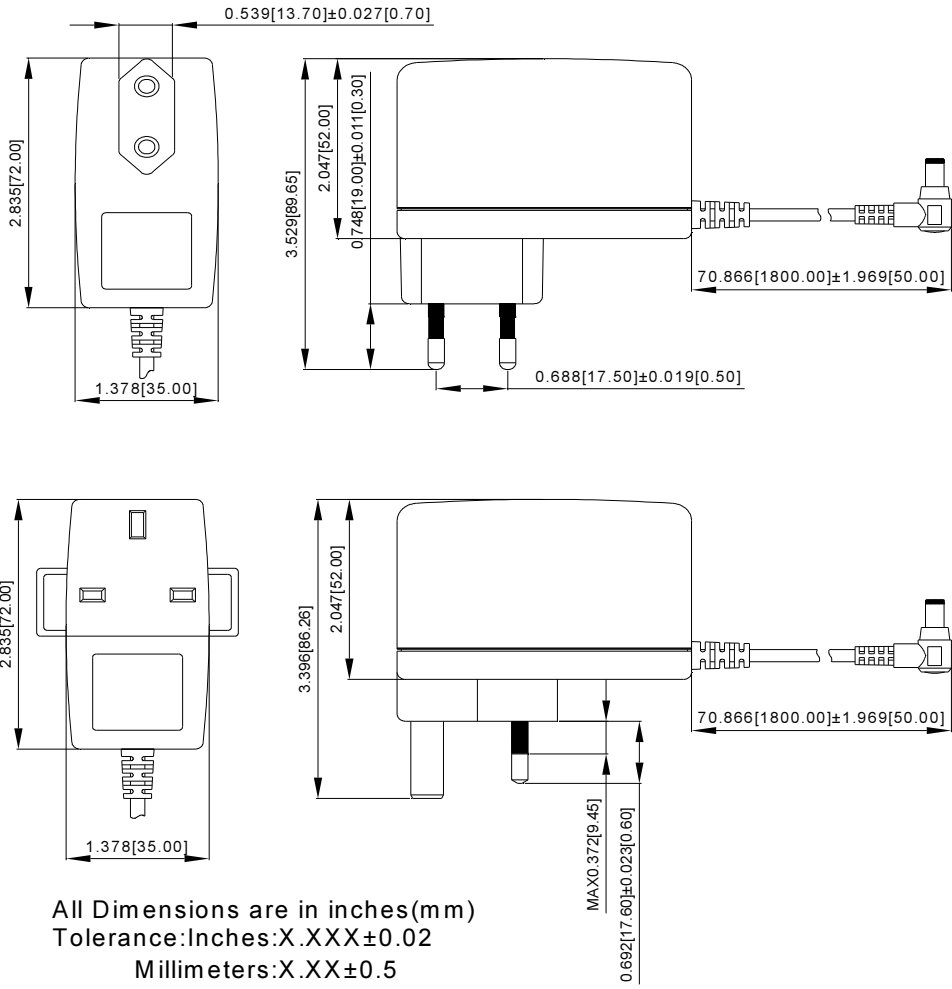
EN61000-6-3, EN61000-3-2, EN61000-3-3

EN55024, EN61204-3, EN61000-6-1

Safety Class II, IEC/UL 60950-1

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 100% full load and from 60% to 20% load (60% +/- 40% full load).



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

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