

# TRH70A SERIES

70 WATTS - AC/DC DESKTOP SUPPLY

## FEATURES

- 70W Desktop Supply
- Australian / New Zealand Approved
- Regulatory Compliance Mark RCM: AS/NZS4417
- Safety: Certificate of Approval ESO160362
- Energy Efficiency: GEMS Determination 2014
- Meets CoC Tier 2 & DoE Level VI
- Active PFC meets EN61000-3-2
- Meets EN55022 Class B and CISPR/FCC Class B
- Over Voltage Protection
- Continuous Short Circuit Protection



## SPECIFICATIONS

INPUT	
Voltage Range	90 to 264Vac
Frequency	47Hz to 63Hz
Input Current	1.5A max
Inrush Current	Cold start @25C 120Amax @240Vac
Leakage Current	3.5mA max

OUTPUT	
Output Voltage	See selection table Factory preset, not adjustable
Voltage Set-point	+/-2%
Ripple and Noise	1% p-p max
Hold up time	8ms typ @ 115Vac
Load Regulation	+/-2 to +/-3% (60% to 100% load)
Line Regulation	+/-1% max (100Vac to 240Vac at full load)
Temperature Coefficient	+/- 0.05%/C
Switching Frequency	Typical. 65KHz
Efficiency	Typical. 89%
MTBF	MIL-HDBK217F, GB at 25C/115Vac 200Khrs

PROTECTION	
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	TVS Component to Clamp
Isolation	Input to Output 4,242Vdc

## STANDARDS AND APPROVALS

Australian Approvals	RCM - Regulatory Compliance Mark, AS/NZS4417
Safety	Certificate of Approval ESO160362 AS/NZS60950.1:2015 EESS Registration E2016009527 Level 3, Power Supply Class I, IEC60950-1, EN60950-1, UL60950-1
EMC	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Energy Efficiency	GEMS Determination 2014, External Power Supplies High Efficiency 2014 (Mark VI) DoE Level VI, CoC V5 Tier 2

## ENVIRONMENTAL

Operating Temperature	-20°C to +70°C
Derating	See derating curve
Cooling	Natural convection
Storage Temperature	-20°C to +85°C
Humidity	93% RH max. Non condensing
Altitude	5,000m

## MECHANICAL

Dimensions	120 x 52 x 31mm
Weight	300g
AC Inlet	IEC320/C14
Output Connector	Right angle, hollow barrel connector 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length Center positive polarity. Output connection options available.
DC Cord Length	720mm with ferrite core. DC cord length options available.

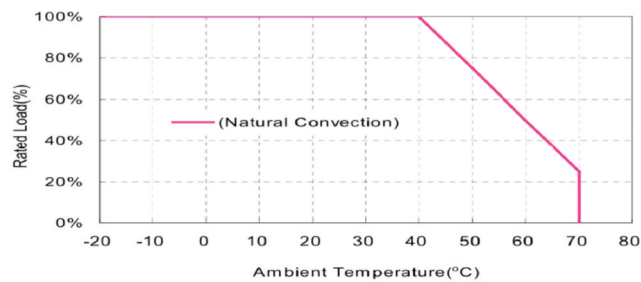
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## SELECTION TABLE

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER
TRH70A120- 21E11-VI	12Vdc	5.8A	70W
TRH70A150- 21E11-VI	15Vdc	4.65A	70W
TRH70A180- 21E11-VI	18Vdc	3.9A	70W
TRH70A190- 21E11-VI	19Vdc	3.7A	70W
TRH70A240- 21E11-VI	24Vdc	3.0A	70W
TRH70A280-21E11-VI	28Vdc	2.5A	70W
TRH70A360-21E11-VI	36Vdc	2.0A	70W
TRH70A480-21E11-VI	48Vdc	1.5A	70W

## DERATING CURVE



## TECHNICAL ILLUSTRATION

All Dimensions are in inches(mm)  
Tolerance: Inches: X.XXX±0.02  
Millimeters: X.XX±0.5

