

TRH50A SERIES

50 WATTS - AC/DC DESKTOP SUPPLY

FEATURES

- 50W Desktop Supply
- Australian / New Zealand Approved
- Regulatory Compliance Mark RCM: AS/NZS4417
- Safety: Certificate of Conformity ESV210053
- 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	1.2A 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 +/-4% (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 Conformity: ESV210053 Equipment class: Level 3 Equipment sub-type: Power Supply Relevant Standard: AS/NZS 62368.1: 2022 Protection against electric shock: Class I Type of operation: For use with audio, video, or information technology equipment only. EESS Registration: E2021035721
EMC	EN55032:2015+A11:2020 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.

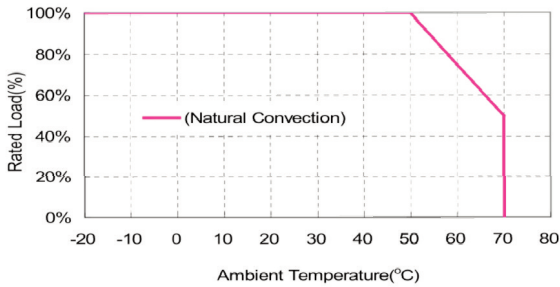
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SELECTION TABLE

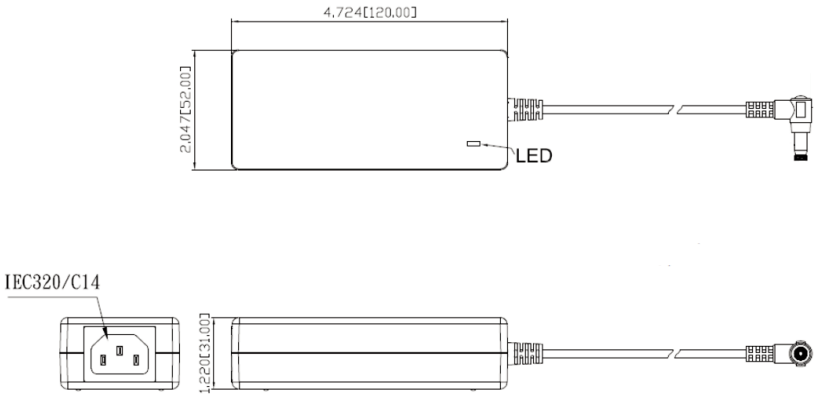
MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER
TRH50A120- 21E11-VI	12Vdc	4.2A	50W
TRH50A150- 21E11-VI	15Vdc	3.36A	50W
TRH50A180- 21E11-VI	18Vdc	2.8A	50W
TRH50A190- 21E11-VI	19Vdc	2.65A	50W
TRH50A240- 21E11-VI	24Vdc	2.1A	50W
TRH50A280-21E11-VI	28Vdc	1.8A	50W
TRH50A360-21E11-VI	36Vdc	1.4A	50W
TRH50A480-21E11-VI	48Vdc	1.05A	50W

DERATING CURVE



TECHNICAL ILLUSTRATION

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



Authorised, valued-added distributor

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