

TRH150A SERIES

150 WATTS - AC/DC DESKTOP SUPPLY

FEATURES

- 150W Desktop Supply
- Australian / New Zealand Approved
- Regulatory Compliance Mark RCM: AS/NZS4417
- Safety: Certificate of Approval ESV190114
- 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
Inrush Current	120A max @ 240Vac, 200us AC turn on
Leakage Current	3.5mA max

OUTPUT

Output Voltage	See selection table Factory preset, not adjustable
Voltage Set-point	+/-2.5%
Output Power	150W
Output Current	See Selection Table
Minimum Load	0A
Ripple and Noise	2% p-p max
Load Regulation	+/-1%
Line Regulation	+/-5%
Hold up time	16ms typ @ 115Vac
Switching Frequency	Typical. 100KHz
Efficiency	Typical. 91% - 94%

PROTECTION

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

ENVIRONMENTAL

Operating Temperature	-30°C to +65°C
Derating	See derating curve
Cooling	Natural convection
Storage Temperature	-40°C to +85°C
Humidity	93% RH max. Non condensing

STANDARDS & APPROVALS

Australian Approvals	RCM - Regulatory Compliance Mark, AS/NZS4417
Safety	Certificate of Approval ESV190114 AS/NZS60950.1:2015 EESS Registration E2019020940 Level 3, Power Supply Class I, IEC60950-1, EN60950-1, UL60950-1
EMC	EN55022:2010 Class B, FCC Part 15 Class B EN61000-3-2, EN61000-3-3, EN55024, EN61204-3
Energy Efficiency	GEMS Determination 2014, External Power Supplies High Efficiency 2014 (Mark VI) DoE Level VI, CoC V5 Tier 2

MECHANICAL

Dimensions	180 x 74 x 41mm
Weight	750g
AC Inlet	IEC320/C14

TRH150A120~150	Output Connector KPPX-4P, 4 Pin Power Plug Assembly with lock mechanism Option 1424: Pin 1,2 "+", Pin 3,4 shell "-" Option 1442: Pin 1,3 "+", Pin 2,4 shell "-" Option 1446: Pin 1,3 "-", Pin 2,4 shell "+" Option 1538: Pin 1,2 "+", Pin 3,4 shell "-" Output connector options available
----------------	---

	DC Cable Length and Type Option 471: 950mm with Ferrite Core Option 12: 1220mm with Ferrite Core Cord length options available
--	--

TRH150A180~480	Output Connector Right angle, hollow barrel connector 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length center positive polarity. Output connector options available DC Cable Length and Type 950mm with ferrite core Cord length options available
----------------	--

TRH150A SERIES

150 WATTS - AC/DC DESKTOP SUPPLY

SELECTION TABLE

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT
TRH150A120-xxxxEzzz-VI	12Vdc	12.5A
TRH150A150-xxxxEzzz-VI	15Vdc	10.0A

Option xxxx, Output Connector:

KPPX-4P, 4 Pin Power Plug Assembly with lock mechanism

Option 1424, Pin 1,2 "+", Pin 3,4 shell "-"

Option 1442, Pin 1,3 "+", Pin 2,4 shell "-"

Option 1446, Pin 1,3 "-", Pin 2,4 shell "+"

Option 1538, Pin 1,2 "+", Pin 3,4 shell "-"

Option zzz, DC Cable Length and Type

Option 471, 950mm with Ferrite Core

Option 12, 1220mm with Ferrite Core

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT
TRH150A180- 21E11-VI	18Vdc	8.34A
TRH150A190- 21E11-VI	19Vdc	7.90A
TRH150A240- 21E11-VI	24Vdc	6.25A
TRH150A280-21E11-VI	28Vdc	5.36A
TRH150A360-21E11-VI	36Vdc	4.17A
TRH150A480-21E11-VI	48Vdc	3.13A

Output Connector

Right angle, hollow barrel connector

2.5mm inside diameter;

5.5mm outside diameter;

9.5mm length

center positive polarity.

Output connector options available

DC Cable Length and Type

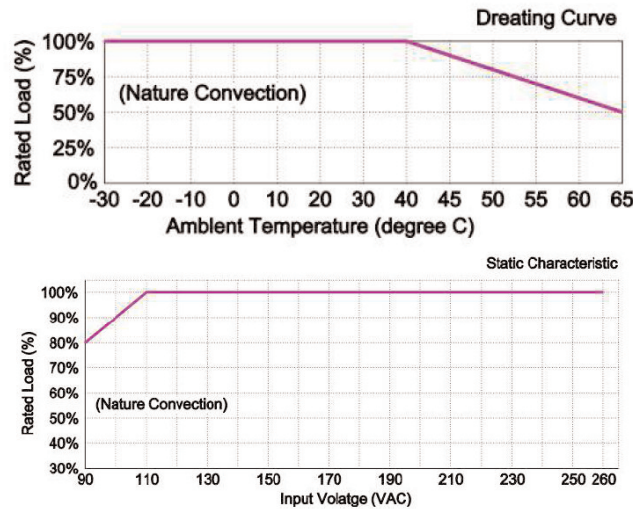
950mm with ferrite core

Cord length options available

TRH150A SERIES

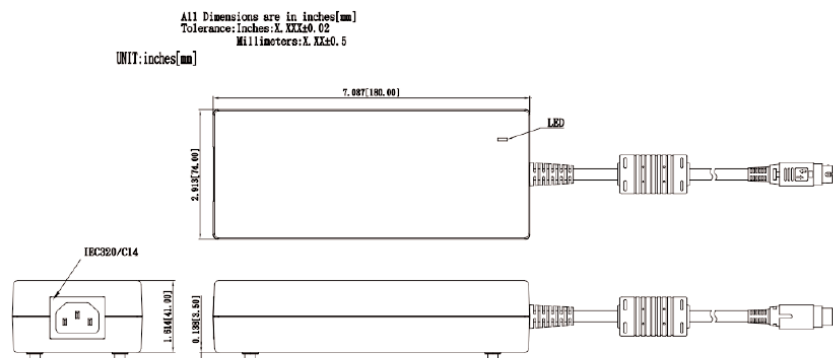
150 WATTS - AC/DC DESKTOP SUPPLY

DERATING CURVE



TECHNICAL ILLUSTRATION

Model TRH150A120~150:



Model TRH150A180~480:

