

FEATURES

- High Reliability
- Multiple Outputs
- With Active PFC
- RoHS Compliant
- 40mm Cooling Fan
- Input: 90~264 VAC
- 100% Hi-Pot Tested
- 100% Burn-In Tested
- Total Power: 150 Watts
- AC Input: IEC 320-C14 Inlet
- Safety Approvals, EMC Compliance
- Over Voltage and Short Circuit Protected
- Dimensions: 188.5(L) x 104.5(W) x 60(H) mm



RoHS

DESCRIPTION

The DTA-150AD-A5 series consists of multiple output, highly reliable desktop power supplies with an input voltage range of 90~264VAC. All supplies have an IEC-320-C14 AC inlet connector. These supplies are EMC and RoHS compliant and also have over voltage and short circuit protection. This series has been 100% burn-in and hi-pot tested.

SPECIFICATIONS: DTA-150AD-A5 Series

All specifications apply @ ±25°C ambient unless otherwise noted

INPUT SPECIFICATIONS

Input Voltage Range 90 – 264 VAC (full range)
Input Frequency 47 - 63Hz
Input Current (rms)..... 2.5A @ 90VAC; 1A @ 264VAC max.

OUTPUT SPECIFICATIONS

Output Current see table
Output Voltage see table
Voltage Regulation..... +5VSB, V1, V2: ±5%; V3 & V4: ±10%
Maximum Power 150W
Ripple/Noise (20 MHz BW) 1%
Hold Up Time >16ms typical at full load and 115VAC

PROTECTION

Short Circuit Protection Auto-recovery
Over Voltage Protection AC Recycle

GENERAL SPECIFICATIONS

Efficiency..... >80% @ full load, 115VAC
Power Factor..... >0.9 (20% to 100% Load)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature 0°C to +50°C
Storage Temperature..... -10°C to+70°C
MTBF >100,000 hrs at FL and 25°C ambient temperature

PHYSICAL SPECIFICATIONS

Weight.....approx. 12 oz
Dimensions 7.42(L) x 4.11(W) x 2.36(H) inches
188.5(L) x 104.5(W) x 60(H) mm
AC Inlet.....IEC 320-C14

SAFETY & EMI

Safety Standards UL60950⁽⁶⁾
..... CSA C22.2-No.60950
..... TUV EN60950
..... CB IEC 60950
EMI Standards FCC Class B
..... CISPR22 Class B
..... EN 55022 Class B
..... EN 61000-3-2
..... CE

MODEL SELECTION GUIDE

Model	Output Voltage	Output Current	Output Power	Output Regulation	Ripple & Noise
DTA-150A2-2Y-A01E	+5 VDC	15A	150W	5%	50mVp-p
	+19 VDC	5A		5%	190mVp-p
DTA-150A2-2Y-B01E	+5 VDC	15A	150W	5%	50mVp-p
	+12 VDC	8A		5%	120mVp-p
DTA-150A2-2Y-C01E	+12 VDC	12A	150W	5%	120mVp-p
	-12VDC	1.5A		5%	120mVp-p
DTA-150A2-3Y-A01E	+5 VDC	15A	150W	5%	50mVp-p
	+12 VDC	8A		5%	120mVp-p
	-12 VDC	1.5A		5%	120mVp-p
DTA-150A2-4Y-A01E	+3.3 VDC	6A	150W	5%	50mVp-p
	+5 VDC	7A		5%	50mVp-p
DTA-150A2-5Y-A01E (ATX Type)	+12 VDC	8A		5%	120mVp-p
	-12 VDC	1.5A		5%	120mVp-p
	+5VSB	2A		5%	50mVp-p

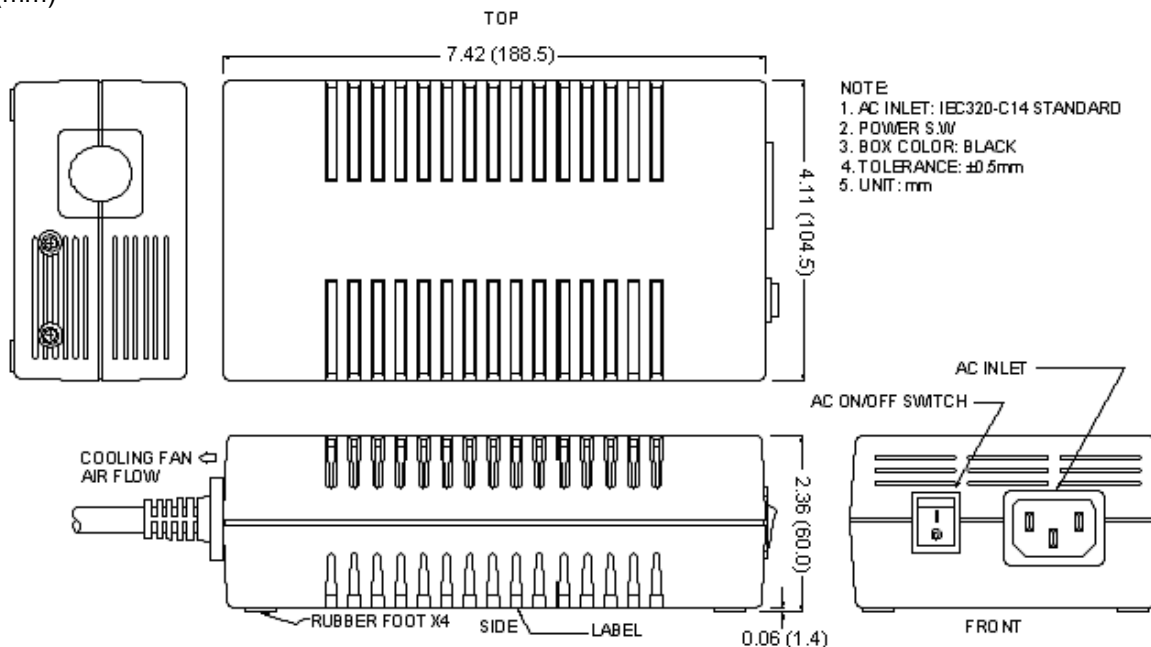
NOTES

1. The DTA-150AD-A5 Series is designated as DTA-150A2-xY-zzzE where **x** = number of outputs and **zzz** is the output representative.
2. Any dual up to 5 output combinations are available. Please call factory for desired combination.
3. Ripple & Noise is measured at 20MHz bandwidth with a tantalum 10µF capacitor in parallel with a 0.1µF ceramic capacitor.
4. +5VSB / 2A is optional for above models.
5. The total output power is 150 watts maximum.
6. This product is Listed to applicable standards and requirements by UL.

**Due to advances in technology, specifications subject to change without notice.*

MECHANICAL DRAWING

Unit: inches (mm)



STANDARD OUTPUT CABLE

1. AWM 2464#18-20AWG/4C~8C+SHIELDING, UL 80°C 300V VW-1, 1050 mm. (2~3 Outputs)
2. AWM 2464#18C+SHIELDING, UL 80°C 300V VW-1, 1050 mm. (For OC-09)
3. Depends on customer's requirements.



Wall Industries, Inc.

Rev C

DTA-150AD-A5 Series
With Active PFC
150 Watt, Multiple Outputs
AC/DC Desktop Switching Adapter

COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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