ANUXA Corporation of America

Miniature Switch Mode Power Supply

Model 160 Watts output power

- **Power Factor Correction**

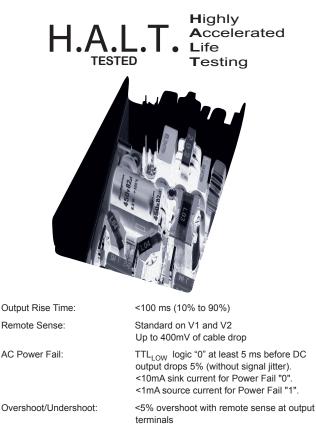
Parallel/Redundant Operation

Up to 88% Efficiency

Electrical Specifications

Input Voltage:	90-264 VAC, 47-63 Hz
Input Current:	<2A RMS @ 115 VAC @ full load <1A RMS @ 230 VAC @ full load
Inrush Current:	<35A, pk @ 132 VAC @ cold start <75A, pk @ 264 VAC @ cold start
Power Factor:	>0.98 @ full load @ 115/230VAC input
Harmonic Distortion:	Meets EN61000-3-2
EMI Filtering:	Meets CISPR 11 and 22 and FCC Part 15 Class B (conducted)
Input Protection:	Internal AC line fuse; 250 VAC, 4.0A
Output Power:	160W with 20CFM air; 80W Convection cooled (consult factory for current ratings)
Line Regulation:	± 0.3%
Load Regulation:	± 1% for V1 and V2 ± 7% for V3; ± 5% for V4
PARD:	Greater of 1% or 50mV 20MHz bandwidth
Hold-up Time:	>20 ms @ full load
Turn-on Delay:	<2 seconds
Output Polarity:	See Voltage Chart
Minimum Load:	10% for V1 and V2 5% for V3 and V4
Transient Response:	Greater of 150mV or 3% for 25% load change @ 1Α/μs (V1 and V2)

Available Voltage Outputs*



Load currents of V1 and V2 for similar units can be shared @ <±5% of total load

Factory set, 125% ±5% on V1 and V2 cycle AC to reset

All outputs are auto recovery

Reverse current up to rated outputs

Standard operation interrupt (hiccup mode)

Up to 88%

MIL-STD-HDBK 217E >200,000 hours @ 25°C Highly Accelerated Life Testing

Voltage Codes	V1 Voltages (Volts)	V1 Currents (Amps)	V2 Voltages (Volts)	V2 Currents (Amps)	V3 Voltages (Volts)	V3 Currents (Amps)	V4 ^{**} Voltages (Volts)	V4 Currents (Amps)
-1	+1.8	16	+1.8	14	+1.8	3	-1.8	2
-2	+3.3	16	+3.3	14	+3.3	3	-3.3	2
-3	+5	16	+5	14	+5	3	-5	2
-4	+12	6	+12	6	+12	3	-12	2
-5	+15	5	+15	5	+15	2.5	-15	2
-6			+24	3	+24	1.75	-24	1.5
-7			+28	2.5	+28	1.5	-28	1
-8			+36	2	+36	1.5	-36	1
-9			+48	1.5	+48	1	-48	1

OPTION CODES (See back)

Current Share (option):

Overvoltage Protect:

Reverse Voltage:

Efficiency:

MTBF:

Short Circuit Protection:

Case Power Protection:

* Consult factory for other voltages and OEM quantities.

** Standard Polarity for V4 is negative (-). V4 is available with positive polarity as a Tailored or Custom model.

Note: Standard models are 3244, 3255, 3264, 3404 and 3464

PART # STRUCTURE:

- MODEL AAD160
- V1 V2 V3 V4

VOLTAGE CODE

ABC

хххх Example: Model Number AAD160-3244-AM = 160W Power Factor Corrected, (V1) +5V @ 16A, (V2) +3.3V @ 14A, (V3) +12V @ 3A and (V4) -12V @ 2A with Current Sharing and Metric Mounting.

SEE 3rd page for AAD160 CODE TABLE AND AVAILABLE OPTIONS.



ANURA Corporation of America

Model 160 Options (code)

PF Invert (B)

EN61000-3-2



Safety Compliance

#6-32 PEM Nut (Standard) Current Sharing (A) Thru-Hole Mounting (C) PF Open Collector (O)

IEC / EN / UL / CSA 60950-1 CE declaration to Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU

Physical Specifications

Dimensions: (HxWxL)

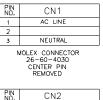
Operating Temp:

Relative Humidity:

1.25" x 3.14" x 5" 0 to 50°C; rated power to 50°C with 20CFM air 5% to 90%, non-condensing -50 to 85°C/20-90% RH

6561

40,000' storage



NO.	0112		
1	V3	*	*
2	٧Z	*	*
3	RTN		
4	RTN		
5	V1	٠	٠
6	V4	٠	*
	FOR		



PIN NO.	CN3	
1	V2 CURRENT SHARE	
2	V1 CURRENT SHARE	
3	POWER FAIL	
4	RTN	
5	V1 - REMOTE SENSE	٠
6	V1 + REMOTE SENSE	٠
7	V2 + REMOTE SENSE	٠
8	V2 - REMOTE SENSE	*
M	OLEX CONNECTOR 22-23-2081	

	UNIT	WEIGHT
0.72 LBS		

DAMAGE WILL OCCUR IF REMOTE SENSE LEADS ARE REVERSED OR USED WITH LOAD DISCONNECTED FROM RESPECTIVE OUTPUTS.

2 OPTIONAL- MOLEX CONNECTOR LIMITED TO 7A FOR V1, V2 OUTPUT

OPTIONAL- #6 CLEARANCE HOLE PROVIDED THROUGH THE BOARD AND CHASSIS FOR TOP SIDE MOUNTING OF POWER SUPPLY. NOTES: UNLESS OTHERWISE SPECIFIED.

FOR PROPER REGULATION MINIMUM LOADS ARE REQUIRED. 0.5A FOR V1 AND V2. 0.1A FOR V3 AND V4

Item 40618 Rev A

TAMURA CORPORATION OF AMERICA 1040 South Andreasen Drive, STE, 100 Escondido, CA 92029-1951 (951) 699-1270 / Fax: (951) 676-9482 (800) 472-6624 www.tamuracorp.com

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BOTTOM MOUNTING SURFACE

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3.14 ±.02 [79.76 ±0.51]

.25 ±.02 1.75 ±0.51] REF [31

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V1 ADJ ٩ 0 0/

EN61000-4-5 Level 3 EN61000-4-2 Level 2 EN61000-4-4 Level 3 EN61000-4-11

Storage:

OPTIONAL 1

2.550 [64.770]

.295 [7.493]

* WARNING

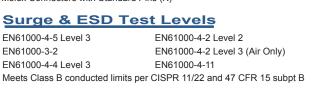
* * <u>NOTE:</u>

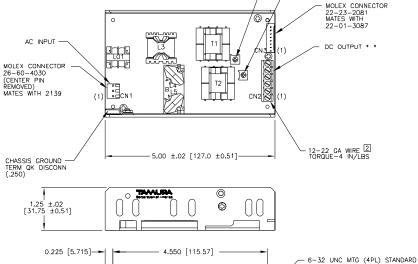
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V2 ADJ

Altitude:





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Metric Mounting (M) Input and Options with Gold Pins (G) Molex Output Connector with Gold Pins (J) Molex Connectors with Standard Pins (K)

Surge & ESD Test Levels



PRODUCT CODE TABLE RoHS

AAD160 Series Part Number Code Table

