

ANUXA Corporation of America

Model

Miniature Switch Mode Power Supply

D130SE

130 Watts output power

Power Factor Correction

Parallel/Redundant Operation

Up to 90% Efficiency

Electrical Specifications

90-264 VAC, 47-63 Hz Input Voltage:

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

Meets EN61000-4 Surge Withstand:

Output Power: Up to 144W with 15CFM air; 80W Convection

cooled (consult factory for current ratings)

Line Regulation: $\pm 0.3\%$

Load Regulation: ± 1% for V1 and V2 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: 7W (Single Output)

3.5W each (Dual Output)

Transient Response: Greater of 150mV or 3% for 25%

load change @ 1A/µs (V1 and V2)

TESTED

Highly **A**ccelerated Life **T**esting



<250 ms (10% to 90%) Output Rise Time: Remote Sense: Standard on V1 and V2

Up to 400mV of cable drop

TTL_{LOW} logic "0" at least 5 ms before DC AC Power Fail:

output drops 5% (without signal jitter). <10mA sink current for Power Fail "0". <1mA source current for Power Fail "1".

Overshoot/Undershoot: <5% overshoot with remote sense at output

terminals

Load currents of V1 and V2 for similar units Current Share (option):

can be shared @ <±5% of total load

Overvoltage Protect: Factory set, 125% ±5% on V1 and V2

cycle AC to reset

Short Circuit Protection: All outputs are auto recovery

Reverse Voltage: Reverse current up to rated outputs

Case Power Protection: Standard operation interrupt (hiccup mode)

Efficiency: Up to 90%

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

Available Voltage Outputs

-2	3.3	16			Codes	(Volts)	(Amps)
		. •	3.3	16	-20	3.3	32
-3	5	14	5	14	-30	5	26
-4	12	6	12	6	-40	12	12
-5	15	5	15	5	-50	15	9
-6	24	3	24	3	-60	24	6
-7	28	2.5	28	2.5	-70	28	5
-8	36	2	36	2	-80	36	4
-9	48	1.5	48	1.5	-90	48	3

^{*} Consult factory for other voltages and OEM quantities. Note: Standard Dual Output Models are -34 and -46

Note: Standard Single Output Models are shown bold

PART # STRUCTURE:

OPTION CODES (See back) **MODEL VOLTAGE CODE**

V1 AAD130SD X XABC....

Example1: Part Number AAD130SD-56-AC = 130W Dual Output, Power Factor Corrected, 15V @ 5A and 24V @ 3A with Current Sharing and a Thruhole Chassis.

Example2: Part Number AAD130SD-30-BM = 130W Single Output, Power Factor Corrected, 5V @ 26A with PF Invert and Metric Mounting.

CLICK HERE TO SEE THE AAD130SD CODE TABLE AND AVAILABLE OPTIONS.



MURA Corporation of America

Model

AAD130SD

Options (code)

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

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

Certifications

UL60950∰ CSA C22.2 No. 60950-F

IEC60950Ë EN60950Ë



Physical Specifications

Altitude:

Dimensions: (HxWxL) 1.25" x 3.14" x 5"

Operating Temp: 0 to 50°C; rated power to 50°C

with 15CFM air

10,000' operating;

Relative Humidity: 5% to 90%, non-condensing

Storage: -50 to 85°C/20-90% RH

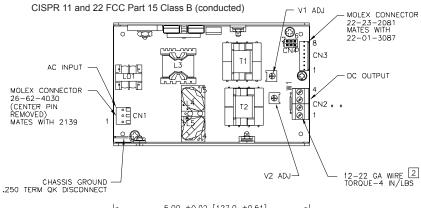
40,000' storage

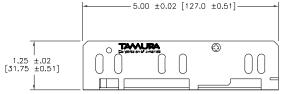
Compliance

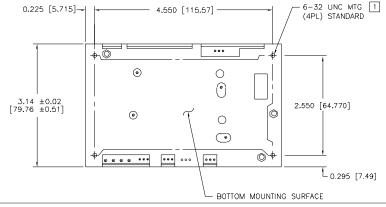
EN61000-4-5 Level 3 EN61000-4-2 Level 2

EN61000-3-2 EN61000-4-2 Level 3 (Air Only)

EN61000-4-4 Level 3 EN61000-4-11







PIN NO,	CN1	
1	AC LINE	
2		
3	NEUTRAL	

MOLEX CONNECTOR 26-60-4030 CENTER PIN REMOVED

	NO.	CN2	
**	1	V2	**
	2	RTN	
	3	RTN	
	4	V1	

FOR 12-22 GA WIRE TORQUE-4 IN/LBS

PIN NO.	CN3			
1	V2 CURRENT SHARE	1		
2	V1 CURRENT SHARE	1		
3	POWER FAIL	1		
4	RTN			
5	V1 -REMOTE SENSE			
6	V1 +REMOTE SENSE			
7	V2 +REMOTE SENSE]		
8	V2 -REMOTE SENSE	J		

MOLEX CONNECTOR 22-23-2081

PIN	1	&	PIN	2
ARE	C	ON	NECT	ED
INTE	Ν۶.	IALI	_Y	

PIN 5 & PIN 8 ARE CONNECTED INTERNALLY

** FOR SINGLE OUTPUT MODELS

PIN 6 & PIN 7 ARE CONNECTED INTERNALLY

UNIT WEIGHT
0.72 LBS

* WARNING: DAMAGE WILL OCCUR IF REMOTE SENSE
LEADS ARE REVERSED OR USED WITH LOAD

DISCONNECTED FROM RESPECTIVE OUTPUTS.

* * NOTE: TO INSURE PROPER REGULATION, UNIT REQUIRES

A MINIMUM LDAD OF 7 WATTS FOR SINGLE OUTPUT MODELS AND 3.5 WATTS ON EACH OUTPUT FOR DUAL OUTPUT MODELS.

*** NOTE: V1 AND V2 ARE CONNECTED INTERNALLY

FOR SINGLE OUTPUT MODELS

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

1 OPTIONAL - #6 CLEARANCE HOLE PROVIDED THROUGH THE BOARD AND CHASSIS FOR TOP SIDE MOUNTING OF POWER SUPPLY.

NOTES: UNLESS OTHERWISE SPECIFIED

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