

# 350-500 Watts Military AC-DC Switcher

## SPECIFICATIONS

### AC INPUT:

107-123 VAC 47-63 Hz single phase. Power factor corrected. Meets MIL-STD-1399, Section 300, type 1 requirements (*spike voltage test*).

### EFFICIENCY:

70% minimum or greater.

### LINE REGULATION:

± 1% of nominal over the full range of line input voltage.

### LOAD REGULATION:

± 1% for change from no load to full load.

### RIPPLE AND NOISE:

Peak-to-peak combines ripple and noise does not exceed 2% of nominal on the output measured with a 20 MHz bandwidth.

### OPERATING TEMPERATURE RANGE:

Storage, transportation and handling: - 62° to +72°C.  
Ambient temperature: -20°C to +70°C baseplate.

### ISOLATION:

The input power circuits and DC output voltage lines are isolated from the chassis.

### OVER-VOLTAGE PROTECTION:

The output over-voltage protection is no greater than 120% of nominal voltage.

### SHORT CIRCUIT PROTECTION:

Each unit is completely protected against a short circuit of any duration. The constant current circuit is nominally set at 120% of full load to reduce voltage. The output voltage automatically restores to normal when the short is removed.

### INPUT PROTECTION:

Internal fuse. In-rush current limiting.

### REMOTE ERROR SENSING:

Standard on main output.

### RELIABILITY:

MTBF 40,000 hours calculated per MIL-HDBK-217B in naval sheltered environment.

### ELECTROMAGNETIC COMPATIBILITY:

Meets the following MIL-STD-461 electromagnetic susceptibility requirements: CE101, CE102, CS101

### OUTLINE DIMENSIONS:

Refer to the size chart

**WEIGHT:** 3.5 to 5 lbs.

### ENVIRONMENTAL CONDITIONS:

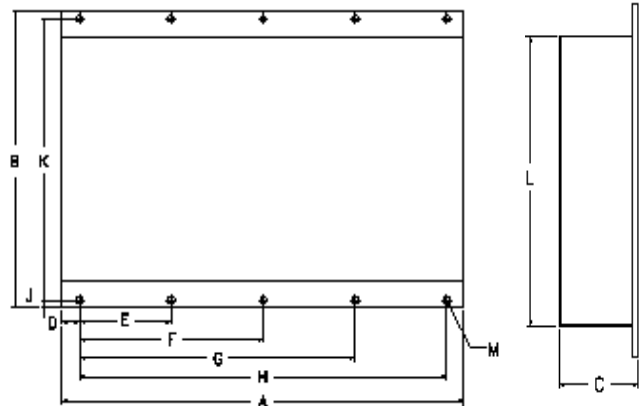
**Shock test** meets MIL-S-901 requirements.

**Vibration test** meets MIL-STD-169, type 1 requirements.

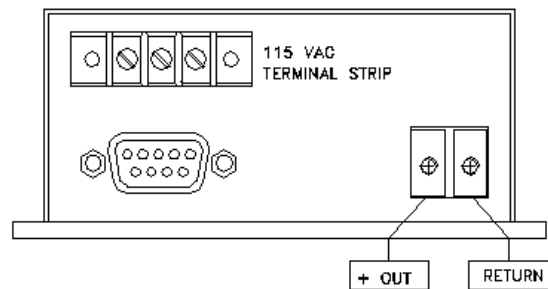
**Humidity:** Power supply operates without any evidence of degraded performance in non-condensing relative humidity up to 95%.



## MECHANICAL DIMENSIONS



CASE	A	B	C	D	E	F	G	H	J	K	M	L
SA	8.75	5.00	2.00 MAX	0.38	2.000	4.000	6.000	8.000	0.15	4.700	4.000	0.158 THRU
SB	8.75	6.10	2.00 MAX	0.38	2.000	4.000	6.000	8.000	0.15	5.795	5.095	0.158 THRU



### SINGLE OUTPUT MODELS (DS)

350 Watts

Voltage	Current
5	75A
24	15A

### MULTIPLE OUTPUT MODELS (DT)

500 Watts

Voltage	Current
5	75A
±12	2A

\* **Note:** For multiple outputs and other output voltages, contact Sales Department

**Options:** Forced current sharing on single output models



Call us toll-free **1-800-367-8200**

### MAINOFFICE:

8203 Vineland Avenue, Sun Valley, CA 91352 - (818) 504-0644 - FAX: (818)768-0395

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