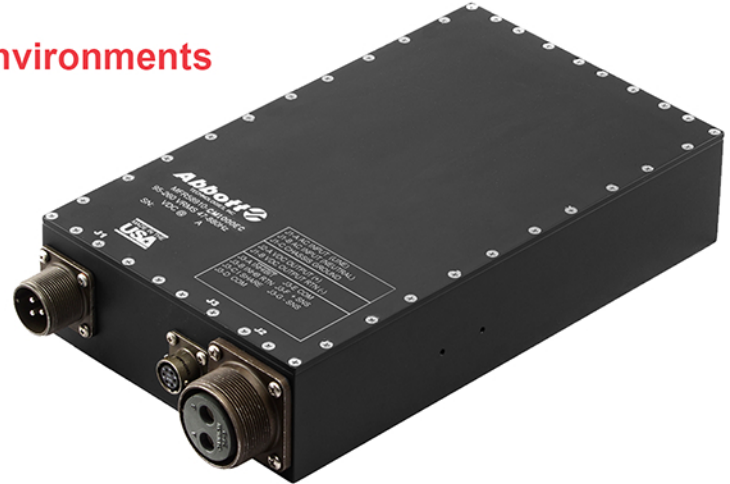


Enhanced EMI Performance for Extreme Environments

- Power Factor Correction
- Compliant with applicable MIL-STD-461, CE101, and CE102
- Meets applicable MIL-S-901 (High Impact Shock)
- Meets applicable MIL-STD-810
- Droop (Zero Wire) Current Sharing Available
- Condensing environment option available
- Sealed to meet IP67
- Meets MIL-STD-1399, (spike voltage test)



SPECIFICATIONS

AC Input:

95-260 VAC, 47-440Hz, single phase. Power factor corrected. Meets MIL-STD-1399, Section 300, type 1 requirements.

Efficiency:

80% minimum.(88% typ, 28 VDC Model at 100% load)

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 combined ripple and noise does not exceed 2% of nominal output measured with a 20 MHz bandwidth

Temperature Range:

Storage: -50°C to +85°C.
Operating temperature:
-40°C to +80°C baseplate
with no power derating.

Isolation:

Input to output: 1500 VDC
Input to case: 1500 VDC
Output to case: 500 VDC

Circuit Protection:

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

Input Protection:

Internal fuse /inrush current limiting

Over Temperature Protection:

Output shut down if maximum case temperature limit is exceeded.

Remote Error Sensing:

Standard.

Control Features:

"INHIBIT," (TTL LOW=TRUE).

Reliability:

MTBF: 124,545 hours calculated per MIL-HDBK-217Fn.2/full load/ Ground Benign

Electromagnetic Compatibility:

Meets the following MIL-STD-461F requirements: CE101, CE102.

Weight:

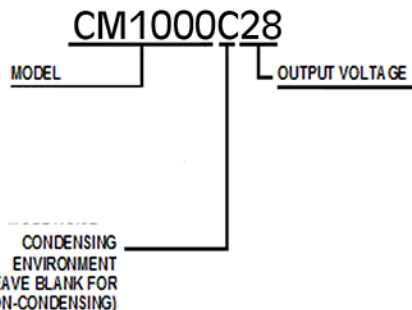
5 lbs max

Environmental Conditions:

Shock test: Unit meets MIL-S-901 requirements (light weight).
Vibration test: Unit meets MIL-STD-167, type 1 requirements.
Humidity: Power supply operates without any evidence of degraded performance in non-condensing relative humidity up to 95% (Select "C" option for 100% condensing environment).

Hold-up Time:

6 milliseconds at full load, 25°C (28V Model)

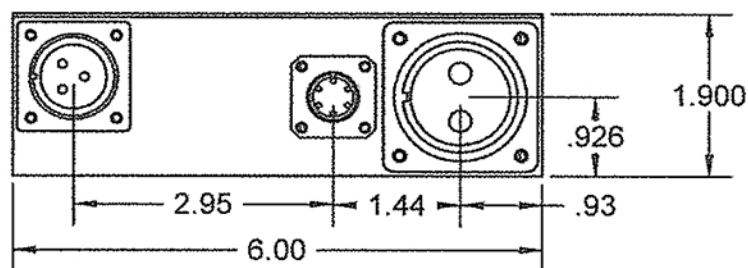
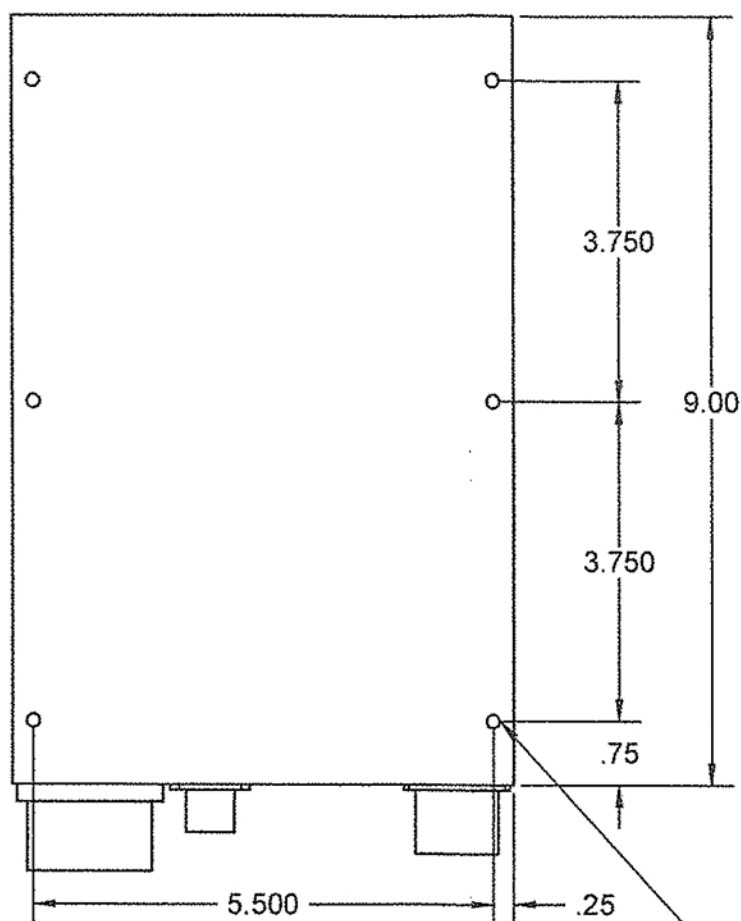
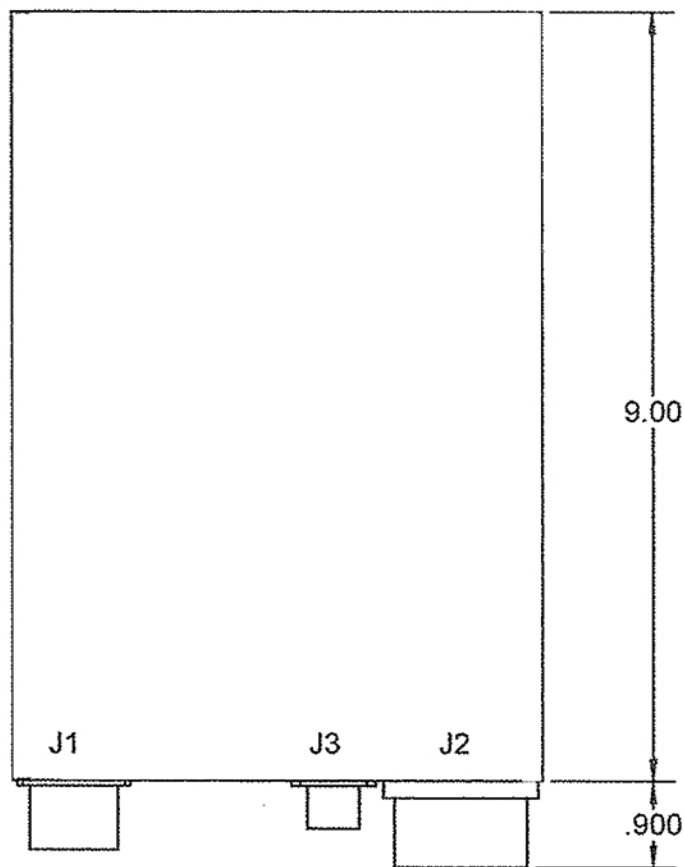


OUTPUT VOLTAGE	MAX. CURRENT
12V	75A*
13.6V	73.5A
15V	66.7A
24V	41.7A
28V	35.7A
48V	20.8A

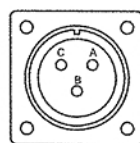
*Output power limited by connector current rating. Please contact factory for alternative connector information.



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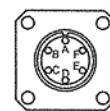


6X 10-32 UNC INSERTS
8 THREADS MIN.



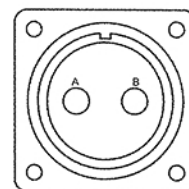
MS3102R16-10P

J1-A INPUT (LINE)
J1-B INPUT (NEUTRAL)
J1-C CHASSIS GROUND



KPT00E1065 (ITT)

J3-A INHIBIT
J3-B INHIBIT RETURN
J3-C +1 SHARE
J3-D COMMUNICATION
J3-E COMMUNICATION
J3-F + SENSE
J3-G - SENSE



MS3102R24-9S

J2-A DC OUTPUT (+)
J2-B OUTPUT RETURN (-)



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