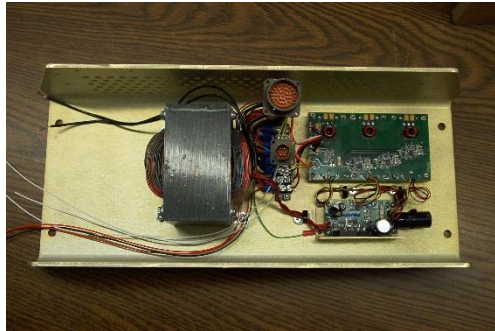




XP2175

MULTI OUTPUT 60 WATT AC/DC POWER SUPPLY



- MIL-STD-1399 Compliant Power Supply
- Designed Using Navmat P-4855-1 Derating
- Designed For Naval Applications
- Over-Voltage, And Over-Current Protection
- Multiple Output Power Supply
- Meets MIL-STD-810 Requirements
- MIL-STD-461 Compliant

DESCRIPTION:

The XP2175 was designed for meeting the stringent navy requirements of MIL-STD-1399 input power conditioning. This multiple output power supply was designed using NAVMAT P-4855-1 guidelines for derating to achieve a high M.T.B.F. number. This product is easily modifiable for other output voltage configurations. Please consult Sales@Prime-Power.com if this is a requirement for your power supply.

GENERAL SPECIFICATIONS			
INPUT VOLTAGE	115VAC, 1 PHASE		
FREQUENCY RANGE	60Hz		
OUTPUT VOLTAGE	+5VDC	+15VDC	-15VDC
OUTPUT CURRENT	5 AMPS	1 AMP	1 AMP
PHYSICAL SIZE	18.375 X 7.63 X 4.87		
WEIGHT	<15 LBS.		
MTBF	CONTACT: SALES@PRIME-POWER.COM		

PHYSICAL CHARACTERISTICS	
MAXIMUM CASE SIZE	18.375 X 7.63 X 4.87
COOLING METHOD	CONDUCTION
ENCAPSULATION	N/A CONFORMAL COAT
ENCLOSURE FINISH	YELLOW CHROMATE
BASEPLATE FINISH	YELLOW CHROMATE
INPUT/OUTPUT TERMINATION	CIRCULAR MIL CONNECTORS
MOUNTING	4X 0.346" MTG HOLES ON BASEPLATE
WEIGHT	<15 LBS.

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PRIME POWER INC: (603) 329-4675.
1 OWENS CT.
HAMPSTEAD NH, 03841.



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ELECTRICAL SPECIFICATIONS			
OUTPUT VOLTAGE	+5VDC	+15VDC	-15VDC
LINE REGULATION (LO LINE TO HI LINE)	±.2%	±.2%	±.2%
LOAD REGULATION (1/2-FL W/SENSE)	±1%	±1%	±1%
PARD (RIPPLE NOISE) DC-20MHZ	50 mV p-p	150 mV p-p	150 mV p-p
OVERCURRENT SETPOINT	150% OF OUTPUT CURRENT		
OVERVOLTAGE SET	120% OF OUTPUT VOLTAGE		
TURN-ON OVERSHOOT	1% TYP.		
EFFICIENCY (MIN)	65%		
EMI FILTERING	MIL-STD-461, CE		
OUTPUT POWER	60 WATTS		

ENVIRONMENTAL SPECIFICATIONS		
ALTITUDE	MIL-STD-810F	Method 500.1, Procedure 1
HIGH TEMPERATURE	MIL-STD-810F	Method 501.4 Procedure 1 & 2
LOW TEMPERATURE	MIL-STD-810F	Method 502.4 Procedure 1 & 2
HUMIDITY	MIL-STD-202G	Method 103B
FUNGUS	MIL-STD-810F	Method 508, Condition A
SALT FOG	MIL-STD-202G	Method 101 E, Test Condition A
SAND AND DUST	MIL-STD-810F	Method 501.4, Procedure 1 & 2
EXPLOSIVE ATMOSPHERE	MIL-STD-810F	Method 511, Condition A
ACCELERATION	MIL-STD-810F	Method 513.5, Procedure 1 & 2
VIBRATION	MIL-STD-810F	Method 514.2
SHOCK	MIL-STD-883	Method 2002.4

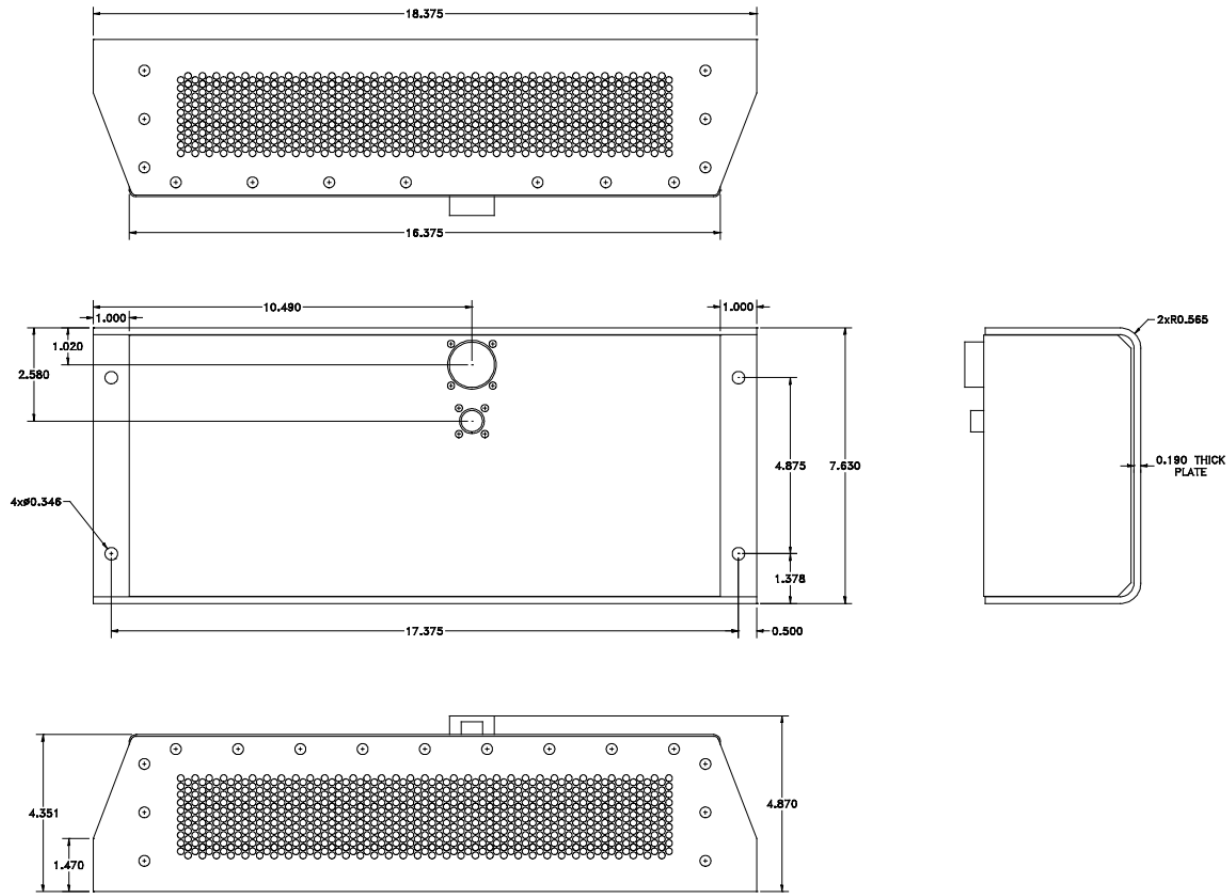
TEMPERATURE SPECIFICATIONS	
OPERATING TEMPERATURE	-46°C to +85°C
STORAGE TEMPERATURE	-55°C to +125°C
TEMPERATURE COEFFICIENT	.02%/°C



XP2175

MULTI OUTPUT 60 WATT AC/DC POWER SUPPLY

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