



**Premier
Magnetics Inc.**

"INNOVATORS IN MAGNETICS TECHNOLOGY"

FEATURES

- ① 2.25 Watts
- ② Fully Regulated Output
- ③ Continuous Short Circuit Protection
- ④ 5-Pin Low Profile Package

GENERAL SPECIFICATIONS

- Efficiency (regulated) 50% min.
- Switching Frequency 20KHz min.
- Isolation Voltage 2500Vdc min.
- Operating Temperature 0 to +71°C
- Storage Temperature -40 to +85°C

2.25 WATT ETHERNET DC/DC CONVERTERS

INPUT SPECIFICATIONS

- Voltage 12.0Vdc
- Voltage Range $\pm 10\%$
- Input Filter π Filter

OUTPUT SPECIFICATIONS

- Voltage Per Table
- Voltage Accuracy $\pm 5\%$
- Short Circuit Protection Power Fold back
- Ripple & Noise 20MHz BW 100mV p-p
- Line Regulation $\pm 0.30\%$
- Load Regulation $\pm 0.50\%$

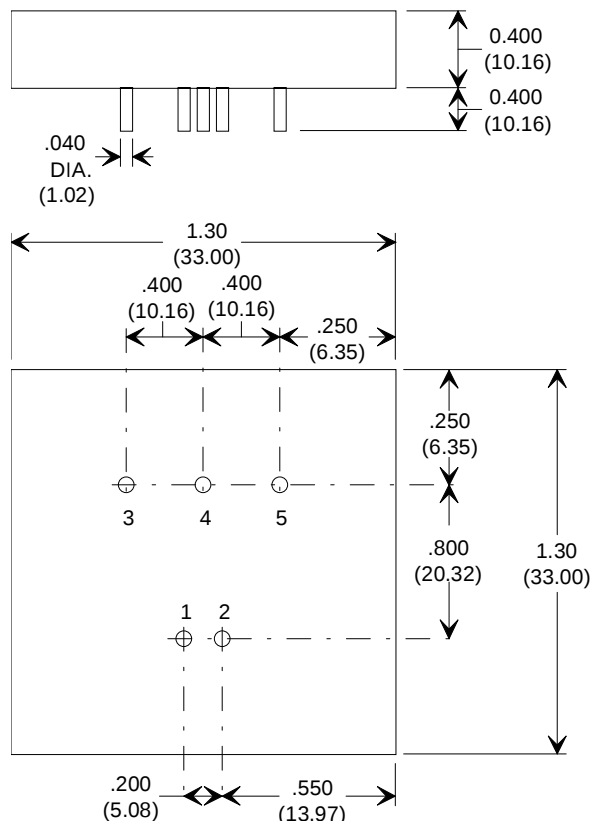
ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO 71°C

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)	REGULATED OUTPUT	INPUT CURRENT (mA typ.)	
					NO LOAD	FULL LOAD
B4AR120925	12	9	250	YES	50	380
B4AR121051	12	+10/+5	150/110	YES	60	350

PACKAGE

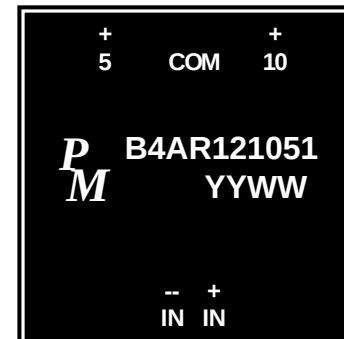
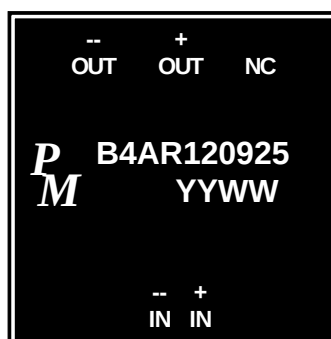
SCHEMATIC

PHYSICAL DIMENSIONS DIMENSIONS IN mm (inches)



PIN CONNECTIONS

PIN NUMBER	B4AR120925	B4AR121051
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	N/C	+10V
4	+OUT	COMMON
5	-OUT	+5V



TOLERANCE IN INCHES
XX $\pm$ 0.02
XXX $\pm$ 0.010

Specifications subject to change without notice.

b4ar 8/97

20381 BARENTS SEA CIRCLE, LAKE FOREST, CA 92630 • TEL: (949) 452-0511 • FAX: (949) 452-0512 • <http://www.premiermag.com>