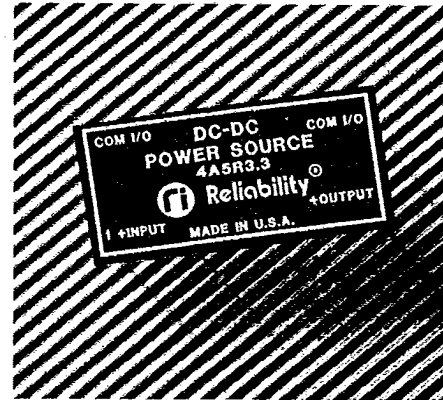


# 4A5R3.3

## 3.3 VOLT DC/DC CONVERTER

### KEY FEATURES

- High Power Density
- PC Mountable, Low Profile
- Designed for Memory Expansion Loads
- Intermittent Short Circuit Protection
- 0.5% Line and Load Regulation
- No Derating to 71°C
- 100% Burn-in and Triple Tested
- Three Year Warranty



### DESCRIPTION

One of the industry's first 3.3 volt DC-DC converters operates from an input range of 4.75 to 5.25 VDC. The units are designed for high density memory expansion boards and operate without derating over the full temperature range.

### GENERAL ELECTRICAL SPECIFICATIONS (Specifications at 25°C Unless Otherwise Noted)

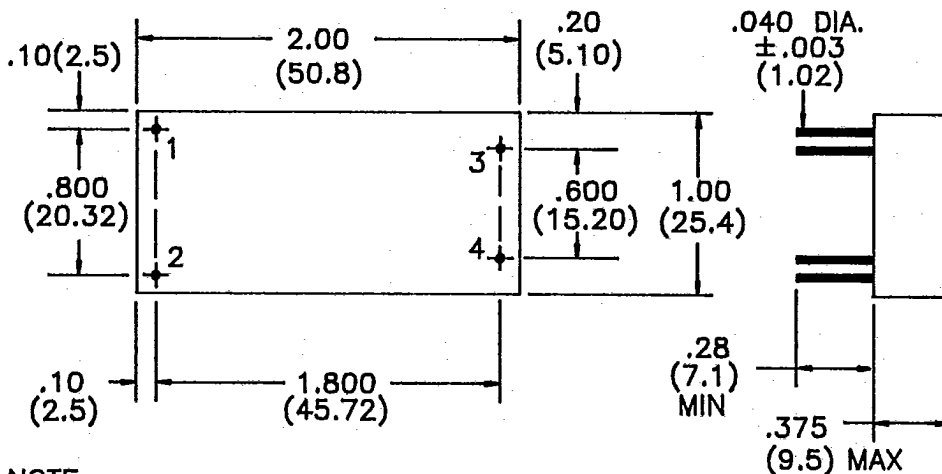
<u>PARAMETER</u>	<u>LIMIT</u>	<u>CONDITIONS</u>
Input Voltage Range	4.75 - 5.25 VDC	Low to High Line
Maximum Input Voltage	6.0 VDC	One Minute
Output Voltage Accuracy	3.3 ± 0.2 VDC	Rated Line, Load
Line Regulation	0.5% Max.	Full Load
Load Regulation	0.5% Max.	Nominal Line
Output Current	0.1 - 1.00A	Full Load = 1.00A
Output Noise/Ripple	100mV, P-P (Max.)	20Hz - 20 MHz Bandwidth
Switching Frequency	300KHz	Nominal
Short Circuit Protection	Intermittent Short	10 Seconds
Maximum Input Current	1.1A	Full Load, Nominal Line
Efficiency	80%	Full Load
Isolation	No Isolation	
Operating Temperature	-25°C to +71°C	
Storage Temperature	-55°C to +125°C	

RELIABILITY® INCORPORATED  
 ■ P.O. BOX 218370 ■ HOUSTON, TEXAS 77218  
 PHONE: (713) 492-0550 ■ FAX: 492-0615

 **Reliability®**



**MECHANICAL SPECIFICATIONS**



NOTE:  
 ALL DIMENSIONS IN PARENTHESES ARE METRIC.  
 TOLERANCES UNLESS OTHERWISE SPECIFIED: .XX ±.03 .XXX ±.010.

PIN	PIN CONNECTIONS
1	+INPUT
2	COMMON I/O
3	+OUTPUT
4	COMMON I/O

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