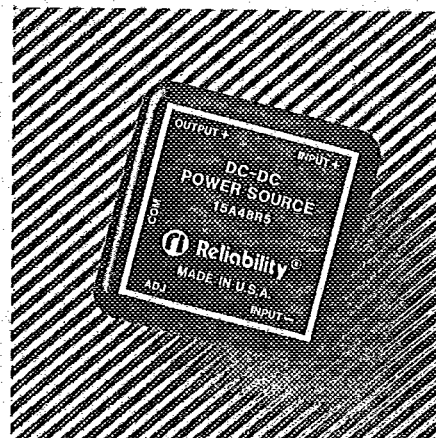


15A SERIES

15 WATT DC/DC CONVERTER

KEY FEATURES

- Wide Input Range 36-72 VDC
- Efficiencies Exceeding 80%
- L-C Input Filter
- Overload/Short Circuit Protection
- Overvoltage Protection
- Input/Output Isolation
- No Derating to 71°C
- Designed to meet FCC Sect. 15 Sub-part J, Class B radiated and conducted
- Six-sided Shielding
- 100% Burn-in and Triple Tested
- Three Year Warranty
- Remote On/Off (Optional)



APPLICATIONS

- Telecommunications Equipment
- Analog Systems
- Digital Circuits
- Distributed Power
- Private Branch Exchange (PBX, PABX)

SPECIAL FEATURES

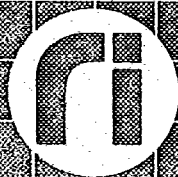
- Low input current ripple (50 mA peak to peak max., 20 MHz Bandwidth)
- 3000 VDC Isolation

DESCRIPTION

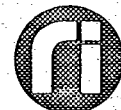
The 15A Series of DC/DC converters operates from a nominal 48 VDC input source and provides a single 5, 12 or 15 VDC output. Maximum output power is 15 watts. These board mountable, low profile DC/DC converters are ideal for the requirements of the telecommunications industry.

SELECTION GUIDE Standard Products

Device Type	Input Voltage Nominal (VDC)	Input Current mA(Max.)	Output Voltage VDC	Output Current mA(Max.)	Package
15A48R5	48	500	+ or - 5	3000	A
15A48R12	48	500	+ or - 12	1250	A
15A48R15	48	500	+ or - 15	1000	A



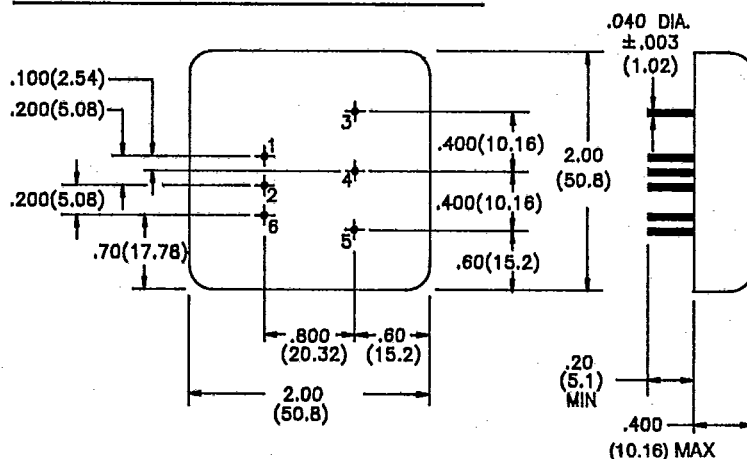
RELIABILITY® INCORPORATED
 P.O. BOX 218370 ■ HOUSTON, TEXAS 77218
 PHONE: (713) 492-0550 ■ FAX: 492-0615

 **Reliability®**

GENERAL ELECTRICAL SPECIFICATIONS

(Specifications at 25°C Unless Otherwise Noted)

<u>PARAMETER</u>	<u>LIMIT</u>	<u>CONDITIONS</u>
Input Voltage Range	36-72 VDC	
Input Filter	L-C Section	
Input Ripple Current	50 mA (P-P)	20 MHz Bandwidth
Input/Output Isolation	3000 VDC	
Output Voltage/Current	5.0 VDC/3.0A	
	12.0 VDC/1.25A	
	15.0 VDC/1.0A	
Output Ripple: 5 VDC	50 mV (P-P)	20 MHz Bandwidth
12/15 VDC	100 mV (P-P)	20 MHz Bandwidth
Line Regulation	±0.1%	Min. to Max. Line
Load Regulation	±0.2%	10 to 100% Load
Efficiency	80% Min.	Full Load
Operating Temperature	-25°C to 71°C	
Storage Temperature	-55°C to 125°C	
Short Circuit Protection	Continuous	
Overvoltage Protection	6.2 VDC	5.0 VDC Output
	14 VDC	12.0 VDC Output
	17 VDC	15.0 VDC Output

MECHANICAL SPECIFICATIONS

PIN	PIN CONNECTIONS
1	+INPUT
2	-INPUT
3	+OUTPUT
4	OUTPUT COMMON
5	ADJUST (5V ONLY)
6	REMOTE ON/OFF

* Pin 6 is optional.

Pin 6 is TTL compatible. Low=Off.

NOTE:

ALL DIMENSIONS IN PARENTHESES ARE METRIC.

TOLERANCES UNLESS OTHERWISE SPECIFIED: .XX ±.03 .XXX ±.010.

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