

TELCOM-PAC™

5 WATT DC/DC CONVERTERS

FOR TELECOMMUNICATIONS & WIDE INPUT RANGE APPLICATIONS

KEY FEATURES

- Designed For Telecommunications & Wide Input Applications
- Input/Output Isolated
- PC Mountable
- Short Circuit Protection
- Pi Input Filter
- Industry Standard Pinout
- No Derating To 71 °C
- Designed To Meet FCC Sec 15, Sub-part J, Class B Radiated, Class A Conducted
- 100% Burned-In
- 3 Year Warranty



DESCRIPTION

The 5 Watt Telcom-Pac DC/DC converters are designed for the demanding requirements of the telecommunications industry. They feature a wide input range, low input current ripple and excellent regulation. Solid tantalum capacitors are used for enhanced reliability.

SELECTION GUIDE

Standard Products

DEVICE TYPE	INPUT VOLTAGE RANGE VDC	INPUT CURRENT A (MAX)	OUTPUT VOLTAGE VDC	OUTPUT CURRENT ma (MAX)	PACKAGE/ PINOUT
5AS48R5	42 - 56	.190	+ or -5	1000	A
5AS48R12	42 - 56	.210	+ or -12	500	A
5AS48R15	42 - 56	.210	+ or -15	400	A
5AS48R12-12	42 - 56	.235	± 12	± 250	A
5AS48R15-15	42 - 56	.235	± 15	± 200	A



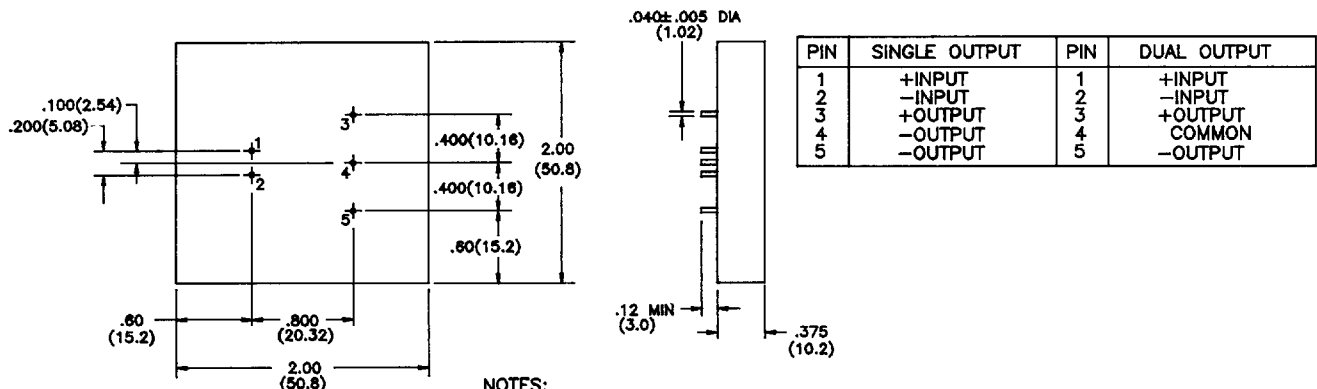
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GENERAL ELECTRICAL SPECIFICATIONS

(Specifications at Nominal Input and 25°C)

PARAMETER	LIMIT	CONDITIONS
Input Voltage Range	42 - 56 VDC	All Device Types
Input Filter	Pi Network	All Device Types
Quiescent Input Current	30ma (Max.)	No Load at Nom. Line
Reflected Input Ripple	50ma, P-P (Max.)	Full Load at Nom. Line
Input/Output Isolation	500 VDC (Min.) 10 ³ megohms (Min)	All Units
Output Voltage Accuracy		Nom. Line at Full Load
Single Outputs	±1%	
±12V Outputs	±5.6%	
±15V Outputs	±2.4%	
Load Regulation	0.2% of VO	Nom. Line
Line Regulation	0.2% of VO	Full Load
Output Voltage Stability	±.01% (Max.)	
Output Noise/Ripple	40mV, P-P (Max.)	20Hz-20MHz Bandwidth
Short Circuit Protection	Fold Back Constant Current	Single Output Models Dual Output Models
Duration	Continuous	
Overvoltage Limit	6.2V	5V Output Models Only
Switching Frequency	50 KHz	Typical
Operating Temperature	-25°C to +71°C	All Units
Derating	None	To 71°C
Storage Temperature	-55°C to +125°C	All Units
Shielded Case	Six-Sided Copper	All Units
FCC Sect. 15 Sub Part J	Yes	Class B Radiated, Class A Conducted

MECHANICAL SPECIFICATIONS



NOTES:

1. ALL DIMENSIONS IN PARENTHESES ARE METRIC.
2. TOLERANCES UNLESS OTHERWISE SPECIFIED: .XX = ±.03 (.76)
.XXX = ±.015 (.38)

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These products are not authorized for use as critical components in life support devices or systems without the express written approval of an officer of Reliability Incorporated.

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