



MVXI1476 64 Channel 3-Wire T/C Relay Multiplexer

Specifications

64 Reed Relay configured as:

- 64 channels of voltage -- 3-wire high, low, guard
- 64 channel 2-wire resistance
- 32 channel 4-wire resistance

The VXIbus main board front panel connectors are connected to a QUIC terminal block.

VXI Characteristics

VXI Device Type: Register based A16, Slave
 Size: C
 Slots: 1
 Connectors: P1/P2

Input Specifications

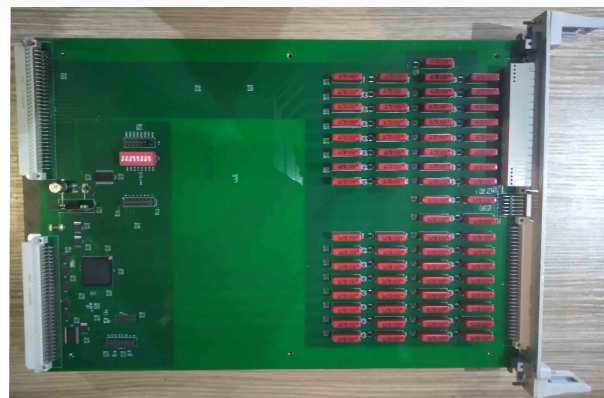
Max. input voltage: 120 Vdc / 120 Vrms
 Max. current per channel: 35 mA

DC Specifications

Max thermal offset : <4 μ V, <2 μ V (10 sample avg.)
 Max. current per channel: 35 mA
 Closed channel resistance: 100 ohm
 Insulation resistance: 10E9 ohms

AC Specifications

Min. bandwidth: 100kHz
 Crosstalk: -70 dB @ 100 kHz,
 -45 dB @ 10MHz
 Closed channel capacitance: <175 pF H-L
 <300pF L-G
 <1500pF G-C



Relay Specifications

Relay close time: 0.5 ms max
 Min. relay life: 10E7 operations
 Closed channel resistance: <0.2 ohms

Environmental

Operating Temperature: -20 to 85 °C
 Storage Temperature: -40 to 125 °C
 Shock: 25g, 11ms on all axis

The Merlin MVXI-1476 is a true drop in replacement for the Keysight/Agilent/HP E1476A 64 Channel 3-Wire T/C Relay Multiplexer module. The user is not required to change any software or cabling.

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