MVXI146x Relay Matrix Switch

Specifications

256 Relays that may be configured as:

- MVXI-1465 - 16x16 Relay Matrix
- MVXI-1466 - 4x64 Relay Matrix
- MVXI-1467 - 8x32 Relay Matrix

The VXIbus main board front panel connectors are connected to a QUIC terminal block to configure the unit for the desired relay matrix.

VXI Characteristics

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

Crosstalk

Closed Path to Closed Path (typical):

Open row to open row (typical): Open row to open column (typical): Open column to open column (typical):

Closed Channel Capacitance (<10kHz)

Hi to Lo:	**<270pF**
Hi to Ground:	**<430pF**
Lo to Ground	**<440pF**

Minimum Bandwidth

(-3 dB, ZL=Zx=50 Ohm: 10MHz

Input Specifications

DC:	200V
AC rms:	170V
Peak:	238V p-p
Max Current:	2Adc / 2 Aac peak per channel

Relay Specifcations

Relay close time:	4ms max
Min. relay life:	10E7 operations
Closed channel resistance:	<4 ohms

Environmental

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

<10 kHz	<100 kHz	<1 MHz
-72 db	-51 dB	-33 dB
-91 db	-59 dB	-43 dB
-85 db	-64 dB	-47 dB
-92 db	-71 dB	-54 dB

The Merlin MVXI-146x is a true drop in replacement for the Keysight/Agilent/HP E1465A, E1466A, and E1467A Relay Matrix modules. The user is not required to change any software or cabling.

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