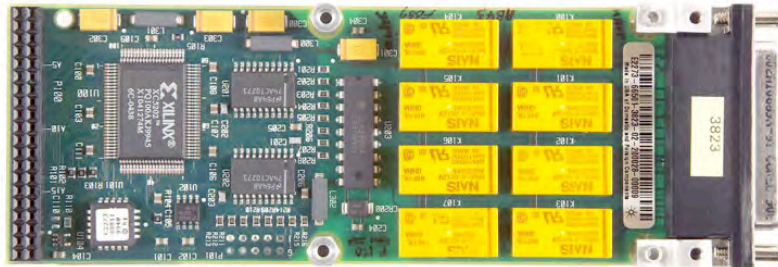




M221 8 Channel Form C Switch M Module



The M221 (formerly Agilent E2273A) provides 8 independent non-latching SPDT switches with maskable interrupts that occur when the requested relay movements have been made. This M Module is useful when high integrity contacts are needed driving microwave relays located in your test adapter.

Specifications:

Inputs:

Maximum Voltage (terminal to terminal or chassis)**

| | |
|----------|----------|
| DC: | 60V/200V |
| AC rms: | 48V/141V |
| AC peak: | 68V/200V |

Maximum Current (non-inductive) Per Switch:

| | |
|----------|------|
| DC: | 1A |
| AC peak: | 1A |
| AC rms: | 0.7A |

Maximum Power Per Switch/Per Module:

| | |
|-----|------------|
| DC: | 40W/100W |
| AC: | 40VA/100VA |

DC Characteristics**:

| | |
|---------------------------|-----------------|
| Thermal Offset: | <20_V (typical) |
| Contact Resistance: | <n/a_ |
| Contact Resistance (EOL): | <3.5_ |
| Insulation Resistance: | 10E7_ |

AC Characteristics:

| | |
|---------------------|---------------|
| Bandwidth (-3dB): | >10 MHz (typ) |
| Crosstalk (typical) | |
| <100 KHz: | <-70 dB |
| <1 MHz: | <-50 dB |
| <10 MHz: | <-n/a dB |

Close channel capacitance:

| | |
|------------|------------------|
| Ch-to-ch: | <30 pF (typical) |
| Ch-to-com: | <40 pF (typical) |

Typical Relay Life at Rated Load:

10E5 operations

Time to open or close:

13 msec

Connectors:

44 pin DSUB (Female)

Temperature:

| | |
|------------|---------------|
| Operating: | 0°C to 55°C |
| Storage: | -40°C to 75°C |

Power:

| |
|---------------|
| +5V @ 0.02 A |
| +12V @ 0.13 A |

M Module Compliance

Complies with ANSI/VITA Std 12-1996 for single-wide M Modules.

| | |
|----------------|--------|
| Data Transfers | 16 bit |
| Interrupts | INTC |

Compatible with VXI, VME, PCI, PXI, CPCI & Ethernet Carriers

Applications

- LF Signal Switching
- Microwave relay control

Ordering Information

Part Number 11029560-0001

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.

** See manual for conditions

Free Manuals Download Website

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