

7019-C 6-Wire Ohms Matrix Card

MATRIX CONFIGURATION: Dual 3 rows by 6 columns, plus two utility pathways with two 2-channel multiplexer rows. Jumpers can be removed to isolate any row from the backplane.

CONNECTOR CONFIGURATION: 1 pole Form A.

CONNECTOR TYPE: 96-pin male DIN connector.

MAXIMUM VOLTAGE: Any input to any other input or chassis: 200V peak.

MAXIMUM CURRENT: 1A carry/0.5A switched.

MAXIMUM POWER: 10VA.

CONTACT LIFE: 1V, 10mA: 10^8 closures.

20V, 0.5A: 5×10^4 closures.

CHANNEL RESISTANCE: $<0.5\Omega$ initial, 1Ω at end of contact life.

CONTACT POTENTIAL: $<25\mu\text{V}$ per single contact or pair.

ACTUATION TIME: 500 μs .

ISOLATION: Path: $>10^9\Omega$, $<50\text{pF}$

Differential: $>10^9\Omega$, $<400\text{pF}$

Common Mode: $>10^9\Omega$, $<400\text{pF}$

OFFSET CURRENT: $<100\text{pA}$.

INSERTION LOSS (50 Ω Source, 50 Ω Load): $<0.35\text{dB}$ below 1MHz,
 $<3\text{dB}$ below 2MHz.

CROSSTALK (1MHz, 50 Ω Load): -40dB .

RELAY DRIVE CURRENT: 15mA per channel.

EMC: Conforms to European Union Directive 89/336/EEC.

SAFETY: Conforms to European Union Directive 73/23/EEC (meets EN61010-1/IEC 1010).

ENVIRONMENT: Operating: 0° to 50°C , up to 35°C at $<80\%$ R.H.

Storage: -25° to 65°C .