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.

CONTACT 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: <0.5Ω initial, 1Ω at end of contact life.

CONTACT POTENTIAL: <25µV per single contact or pair.

ACTUATION TIME: 500µs.

ISOLATION:

Path:	$>10^9\Omega$, <50pF.
Differential:	$>10^9\Omega$, <400pF.
Common Mode:	$>10^9\Omega$, <400pF.

OFFSET CURRENT: <100pA.

INSERTION LOSS (50Ω Source, 50Ω Load): <0.35dB below 1MHz, <3dB below 2MHz.

CROSSTALK (1MHz, 50Ω 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.