

Model 7169A 20 Form C Switch Card for the Model 706 Mainframe only

CHANNELS PER CARD: 20 independent Form C. All poles available at connectors. Replacement of factory installed jumper allows current limit resistor in series with common of each channel. On-card bus allows for addition of jumper to change configuration from switch to multiplex. Bus also allows channel interconnection.

RELAY TYPE: Position sensitive mercury wetted reed relay. Card is only for use inside the Model 706 mainframe, and must be used within 30° of vertical for relay to work properly.

CONNECTOR TYPE: Three 20 pin mass termination connectors.

RELAY DRIVE CURRENT: 30mA per relay typical.

MAXIMUM SIGNAL LEVEL: 500V peak, 1.0A peak switched, 2A peak carry, 50W (resistive load only).

CONTACT LIFE: $>10^9$ closures cold switching; $>10^7$ closures at maximum signal levels.

CONTACT RESISTANCE: $<2\Omega$ to rated life.

CONTACT POTENTIAL: $<35\mu\text{V}$, C to NO or NC.

ACTUATION TIME: $<3\text{msec}$, exclusive of mainframe.

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

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

COMMON MODE VOLTAGE: 500V peak.

OPERATING ENVIRONMENT: 0° to 50°C, up to 35°C at 70% RH.

STORAGE ENVIRONMENT: -25° to 65°C.

DIMENSIONS, WEIGHT: 32mm high \times 114mm wide \times 272mm long (1.25 in. \times 4.5 in. \times 10.75 in.). Shipping weight 0.91kg (2 lbs.).

Specifications subject to change without notice.