

7999-6 GPIB RF Relay Unit

Relay Specifications

CONNECTOR TYPE:

Input: Female SMA connector (on relay).
Output: N-type.

CONTACT LIFE: 5×10^6 cycles minimum; 10×10^6 typical.

ACTUATION TIME: 15ms.

FREQUENCY RANGE: DC to 4GHz. Relay paths are 50Ω terminated when open.

INSERTION LOSS: $0.3\text{dB} + 0.115 \times \text{frequency (in GHz)}$.

ISOLATION: 100dB minimum; 130dB typical.

SWR: 1.2 maximum.

GENERAL

INTERFACE: GPIB (IEEE-488.2) and SCPI.

INDICATORS: Power, relay position status and error LED.

CONTACT CLOSURE COUNTERS: One counter per relay path, up to 10 million counts each, maintained in non-volatile memory.

MAXIMUM COMMON MODE: 42V peak, any terminal to earth.

MAXIMUM SWITCHING SIGNAL: 1W CW, CAT I.

POWER: User-supplied 24VDC (22VDC min., 30VDC max.), 1.8A max.

ENVIRONMENT: Operating: 0° to 40°C , up to 35°C <80% RH.

Storage: -25° to 65°C .

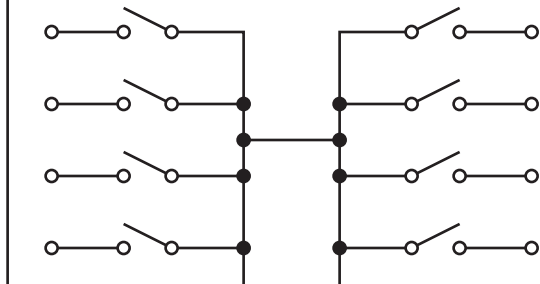
EMC: Conforms with European Union Directive 89/336/EEC.

SAFETY: Conforms with European Union Directive 73/23/EEC.

DIMENSIONS: 429mm long \times 133mm wide \times 161mm deep (19.00" \times 5.25" \times 6.34").

ACCESSORIES SUPPLIED: Instruction manual.

Simplified Schematic



Specifications are subject to change without notice.