## 7999-6 GPIB RF Relay Unit

## **Relay Specifications**

CONNECTOR TYPE:

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

**CONTACT LIFE:**  $5 \times 10^6$  cycles minimum;  $10 \times 10^6$  typical.

**ACTUATION TIME:** 15ms.

**FREQUENCY RANGE:** DC to 4GHz. Relay paths are  $50\Omega$  terminated

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

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.

-25° to 65°C. Storage:

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

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

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

ACCESSORIES SUPPLIED: Instruction manual.

Specifications are subject to change without notice.

