

7999-4 Microwave SPDT RS-232 Switch

CONTACT CONFIGURATION: Single Pole Double Throw.

CONNECTOR TYPE: 3-SMA type connectors (COMMON, NO, NC).

MAXIMUM SIGNAL: 120W 3GHz (VSWR 1.15 or less), CAT I.

CONTACT RESISTANCE: 0.1Ω max.

CONTACT LIFE: **Mechanical:** 5×10^6 (at 180cpm).

Electrical: 5×10^6 (3GHz, 50Ω, VSWR 1.2 at 20cpm).

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

ACTUATION TIME: 25ms.

RELAY CHARACTERISTICS (50Ω):

Frequency	To 1GHz	1- 4GHz	4- 8GHz	8- 12.4GHz	12.4- 18GHz
VSWR (max)	1.1	1.15	1.25	1.35	1.5
Insertion Loss (dB max.)	0.2	0.2	0.3	0.4	0.5
Isolation (dB min.)	85	80	70	65	60

GENERAL

INTERFACE: RS-232 control (9600 baud, 8 data, 1 stop). Response terminator selectable (CR, LF, CRLF, LFCR).

INDICATORS: Power, relay position status.

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

Storage: -25° to 65°C.

POWER CONSUMPTION: 6.5W.

WARRANTY: 1 year.

EMC: Conforms with European Union Directive 89/336/EEC, FCC part 15 class B.

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

DIMENSIONS: 109mm long × 112mm wide × 59mm deep (4.3" × 4.4" × 2.3").

ACCESSORIES SUPPLIED: AC/DC power adapter (100-120VAC/220-240VAC, 50 or 60Hz) with line cord, user and service manual.