

S46 Microwave Switch System

S46 Microwave Switch System Specifications

Maximum Configuration

- (8) – SPDT relays
- (4) – Multi-pole relays (SP3T, SP4T, SP5T, SP6T)

Relay Specifications

CONNECTOR TYPE: Female SMA connector.

CONTACT LIFE: 2 million cycles minimum.

VSWR:

- DC–6GHz: 1.25:1 max.
- DC–12GHz: 1.40:1 max.
- DC–18GHz: 1.50:1 max.

INSERTION LOSS:

- DC–6GHz: 0.2dB max.
- DC–12GHz: 0.4dB max.
- DC–18GHz: 0.5dB max.

ISOLATION:

- DC–6GHz: 70dB max.
- DC–12GHz: 60dB max.
- DC–18GHz: 60dB max.

ACTUATION TIME: SPDT: 20ms max. **Multi-pole:** 15ms max.

MAXIMUM SIGNAL: 42V peak, any terminal to earth.

FREQUENCY RANGE: 0–18GHz.

GENERAL

CONTACT CLOSURE COUNTERS: 1 counter per channel, up to 10 million counts each, maintained in non-volatile memory.

NON-VOLATILE STORAGE: 32 separate locations; each location up to 68 bytes long, for user-definable channel and system parameters.

NUMBER OF RELAY CONTROL LINES: 32, each open collector driver capable of 300mA sink current (max.).

INTERFACE: GPIB (IEEE 488.2) and SCPI.

INDICATORS: Power, relay position status and error LED.

POWER: 100–240VAC, 50 or 60Hz.

POWER CONSUMPTION: 80VA max.

WARRANTY: 1 year.

ENVIRONMENT: **Operating:** 0° to 40°C. up to 35°C < 80% RH.
Storage: –25° to 65°C.

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

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

DIMENSIONS: 89mm high × 485mm wide × 370mm deep
(3.5" × 19" × 14.563").

SHIPPING WEIGHT: 13kg (28 lbs).

ACCESSORIES SUPPLIED: Power cord, instruction manual, and rack mount kit.