



SP4T RF Switch 200-2000 MHz

SW-134

- Low Loss — 0.6 dB Typical
- High Isolation — 45 dB Typical
- Integral TTL Driver
- Hermetic Package

Guaranteed Specifications*

(From -55°C to +85°C)

Frequency Range	200-2000 MHz	200-2000 MHz
Insertion Loss	200-2000 MHz	1.5 dB Max
	200-1000 MHz	1.0 dB Max
VSWR	200-2000 MHz	1.6:1 Max
Isolation	200-2000 MHz	30 dB Min
	200-1000 MHz	35 dB Min
	200-500 MHz	45 dB Min

Operating Characteristics

Impedance 50 Ohms Nominal

Switching Characteristics

TON	2.0 μ S Typ
TOFF	1.0 μ S Typ
Transients (In-Band)	40 mV Typ

Input Power for 1 dB Compression +13 dBm Typ

Intermodulation Intercept Point (for two-tone input power up to +5 dBm)

Second Order	+60 dBm Typ
Third Order	+30 dBm Typ

Bias Power +9 to +15 VDC @ 45 mA Max
-5 VDC $\pm$ 5% @ 25 mA Max
(540 mW Typical)

Environmental

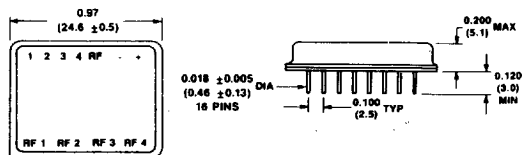
See Appendix for MIL-STD-883 screening option.

* All specifications apply when operated with bias voltages of +12 VDC and -5 VDC ($\pm$ 5%) and 50 ohm impedance at all RF ports.

Ordering Information

Model No.	Package
SW-134 PIN	Dual Inline

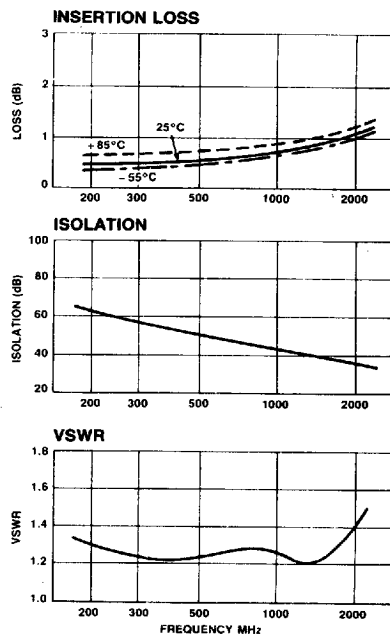
DI-2



Dimensions in () are in mm.

See Appendix for complete physical dimensions.

Typical Performance



Truth Table

TTL CONTROL INPUTS				CONDITION OF SWITCH			
"1" = TTL LOGIC HIGH				RF COMMON TO EACH RF PORT			
1	2	3	4	RF1	RF2	RF3	RF4
1	0	0	0	ON	OFF	OFF	OFF
0	1	0	0	OFF	ON	OFF	OFF
0	0	1	0	OFF	OFF	ON	OFF
0	0	0	1	OFF	OFF	OFF	ON

Specifications Subject to Change Without Notice.

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