

SP4T Switch Specifications

PERFORMANCE CHARACTERISTICS

MODEL NO.	CHARACTERISTIC	FREQUENCY (GHz)	
		32-36	34-36
MSP4T-3236	Min. Isolation (dB)	55	
	Max. Insertion Loss (dB)	5.9	
	Max. VSWR (ON/OFF)	2.7:1	
MSP4T-3436	Min. Isolation (dB)		55
	Max. Insertion Loss (dB)		5.0
	Max. VSWR (ON/OFF)		2.5:1

Switching Speed

On Off Times 50 nsec max.

Power Handling Capability

Without Performance Degradation

“On” Port..... 1W cw or peak

Common Port 1W cw or peak

“Off” Port..... 100 mW cw or peak

Survival Power

“On” Port 1W average, 75W peak
(1 μsec max. pulse width)

Common Port..... 1W average, 75W peak
(1 μsec max. pulse width)

“Off” Port 200 mW average, 5W
peak (1 μsec max. pulse
width)

Power Supply

Requirements +5V ±5%, 95 mA
-12V ±5%, 60 mA

CONTROL CHARACTERISTICS

Control Input

Impedance TTL, advanced Schottky,
one unit load. (A unit
load is 0.6 mA sink
current and 20 μA
source current.)

Control Logic

..... Logic “0” (–0.3 to +0.8V)
for port ON and Logic “1”
(+2.0 to +5.0V) for port
OFF.

ENVIRONMENTAL RATINGS

See page 285.

