



RF Switch: SPDT Switch: Model 2677



[How to Buy](#) Application Notes for [RF Switch](#)

- Frequency range: 0.1 to 20 GHz
- Isolation: up to 60 dB
- Small size



RF Switch: MODEL 2677

Model 2677 is a wide frequency range, Low Cost, high-performance SPDT switch. It operates over the full instantaneous bandwidth of 0.1 to 20 GHz .

The proper currents required to switch the ports ON or OFF are provided by the user.

PERFORMANCE CHARACTERISTICS

CHARACTERISTIC	FREQUENCY (GHz)			
	0.1-4	4-12	12-18	18-20
Frequency Range (GHz)	0.1-4	4-12	12-18	18-20
Min. Isolation (dB)	60	60	45	45
Max. Insertion Loss (dB)	2.0	2.0	3.0	3.8
Max. VSWR (ON)	1.8	2.2	3.0	3.5

ENVIRONMENTAL RATINGS

Switching Time*

ON time..... 500 nsec max.
 OFF time..... 500 nsec max.

*Shapped current pulses must be provided by user

Power Handling Capability

Without Performance Degradation 1 W cw or peak
 Survival Power..... 1 W average, 75 W peak (1 µsec max. pulse width)

Power Supply Requirements

Port ON+7.0V ±5%, 50 mA
 Port OFF.....-1.0V ±5%, 50 mA

Operating Temperature

Range -65°C to +110°C

Non-Operating Temperature Range

..... -65°C to +125°C

Shock

..... MIL-STD-202F, Method 213B, Cond. B (75G, 6 msec)

Vibration

..... MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude or 15G, whichever is less)

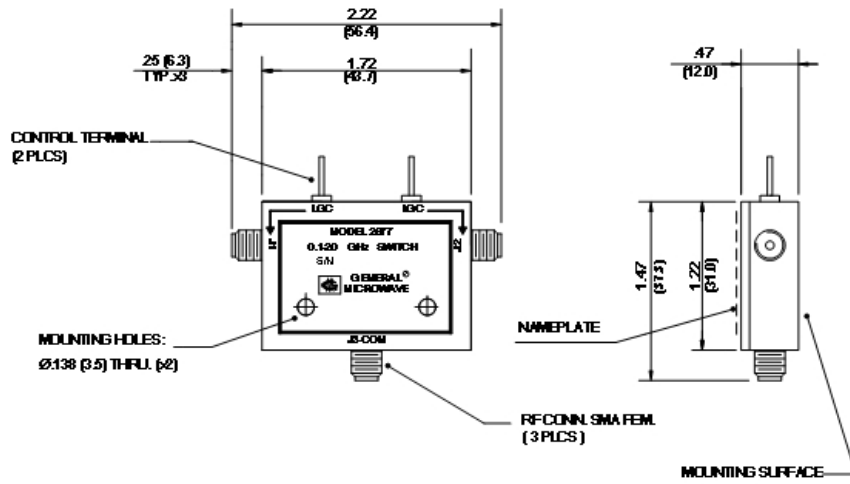
Altitude

..... MIL-STD-202F, Method 105C, Cond. B (50,000 ft)

Temp. Cycling

..... MIL-STD-202F, Method 107D, Cond. A, 5 cycles

DIMENSIONS AND WEIGHTS



NOTES:
 1. DIMENSIONS IN () ARE IN MILLIMETERS.

Dimensional Tolerances, unless otherwise indicated: .XX ±.02; .



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