

# RF SWITCH

## MODEL TWP2225

Available In: FP-12,6 Lead, 0.375" sq. Flatpack and 6 Lead, 0.375" sq. Surface Mount Package

### Features

- DC - 2.0 GHz
- Integral TTL Driver
- Fast Switching Speed: 25 ns Typical
- OperatingTemp. -55 °C to + 85 °C
- Screening to the tables of MIL - STD-883 Available

### Maximum Ratings

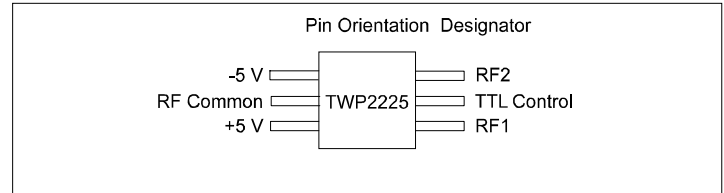
Ambient Operating Temperature ..... -55°C to +100 °C  
 Storage Temperature ..... -65°C to +125 °C  
 Case Temperature ..... +125 °C  
 DC Voltage ..... +/-7.0 Volts  
 Continuous RF Input Power ..... +30 dBm

### Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 2.0 GHz	DC - 2.0 GHz
Insertion Loss (dB)	0.6	0.8 Max.
Isolation (dB)	>32	29 Min.
VSWR	"ON"	<1.25:1
DC Bias	Vdc	+/-5V
	mA	0.5
Switching Speed (ns)	25	30 Max.

**Note:** Care should always be taken to effectively ground the case of each unit.

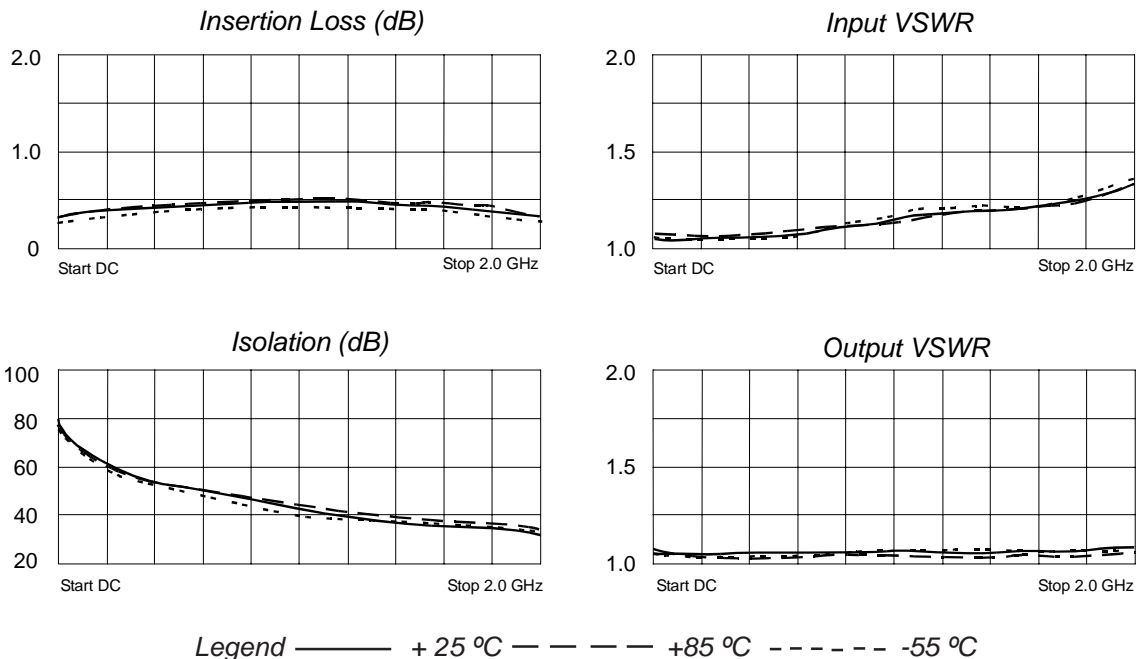
### Pin Layout



### Truth Table

Control Input	Switch Position
TTL	RF Common Connected To:
1	RF1
0	RF2

### Typical Performance Data



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