

# SPDT RF SWITCH

## MODEL TWP2202

Package: 6 Lead Flatpack (FP12)  
 Also Available In: Connectorized Housings

### Features

- DC - 3.0 GHz
- RF1, RF2 Reflective in "OFF" Position
- Fast Switching Speed: 10 ns Typical
- OperatingTemp. -55 °C to + 85 °C
- Environmental Screening Available

### Maximum Ratings

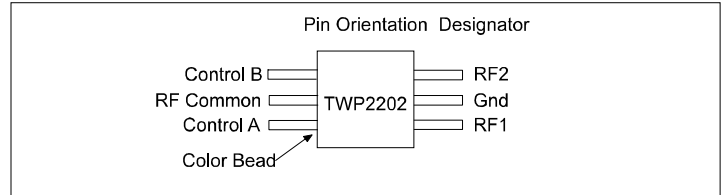
Ambient Operating Temperature ..... -55°C to +100 °C  
 Storage Temperature ..... -65°C to +125 °C  
 Case Temperature ..... +125 °C  
 DC Voltage ..... -8.5 Volts  
 Continuous RF Input Power ..... +30 dBm

### Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 3.0 GHz	DC - 3.0 GHz
Insertion Loss (dB)	1.0	1.4 Max.
Isolation (dB)	>30	23 Min.
VSWR	In Out	<1.4:1 <1.4:1
Control Input High	Vdc mA	-5.0 to -8.0 0.30
Control Input Low	Vdc mA	0 to -0.2 0.010
Switching Speed (ns)	10	15 Max.

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

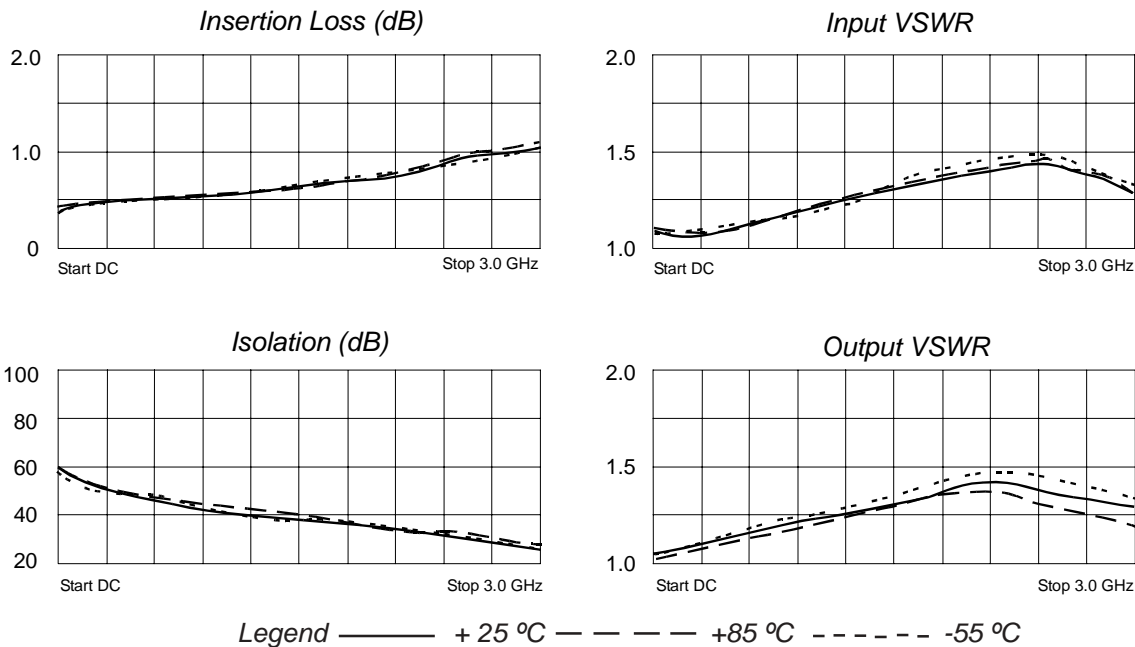
### Pin Layout



### Truth Table

Control Input		Switch Position	
		RF Common to:	
A	B	RF1	RF2
High	Low	ON	OFF
Low	High	OFF	ON

### Typical Performance Data



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