

# SPDT RF SWITCH

## MODEL TWP2204

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

### Features

- DC - 3000 MHz
- RF1, RF2 Terminated in "OFF" Position
- Fast Switching Speed: 10 ns Typical
- Environmental Screening Available

### Absolute Maximum (No Damage) Ratings

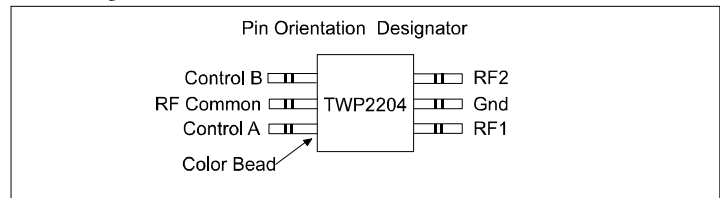
Ambient Operating Temperature ..... -55°C to +100 °C  
Storage Temperature ..... -65°C to +125 °C  
Case Temperature ..... +125 °C  
DC Voltage ..... -8.5 Volts  
Continuous RF Input Power ..... +30 dBm

### Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 3000 MHz	DC - 3000 MHz
Insertion Loss (dB)	1.0	1.5 Max.
Isolation (dB)	>40	30 Min.
VSWR	In	<1.5:1
	Out	<1.75:1
Control Input High	Vdc	-5.0 to -8.0
	mA	0.30
Control Input Low	Vdc	0 to -0.2
	mA	0.010
Switching Speed (ns)	10	—

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

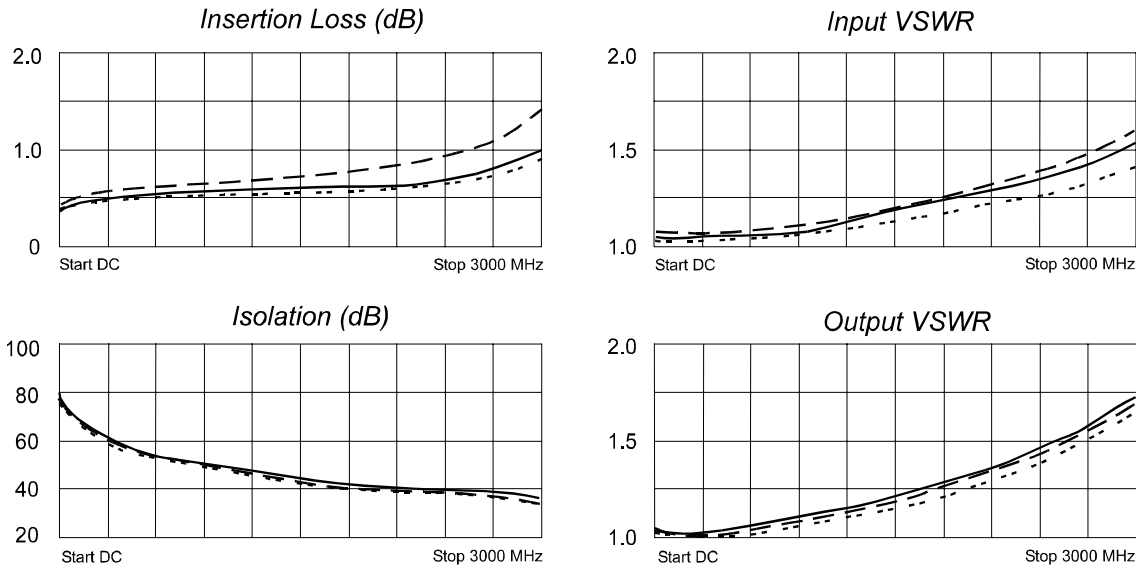
### Pin Layout



### Truth Table

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

### Typical Performance Data



Legend ——— + 25 °C - - - - - +85 °C - - - - - -55 °C



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