

# SPDT RF SWITCH MODEL TWP2219

Package: 8 Lead Flatpack (FP7)  
Also Available In: Connectorized Housings

## Features

- DC - 3000 MHz
- Low Power Consumption: < 250  $\mu$ W Typical
- Fast Switching Speed: 10 ns Typical
- Reflective
- Environmental Screening Available

## Absolute Maximum (No Damage) Ratings

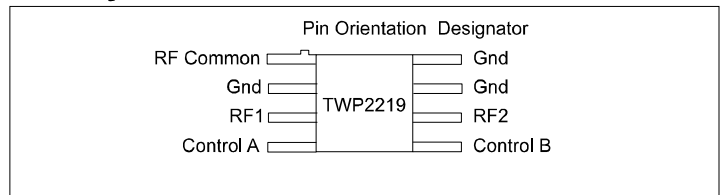
Ambient Operating Temperature ..... -55°C to +100 °C  
Storage Temperature ..... -65°C to +125 °C  
Case Temperature ..... +125 °C  
DC Voltage ..... -8.5 Volts  
Continuous RF Input Power ..... +30 dBm

## Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 3000 MHz	DC - 3000 MHz
Insertion Loss (dB)	0.6	0.9 Max.
Isolation (dB)	40	23 Min.
VSWR	In <1.25:1 Out <1.25:1	1.5:1 Max. 1.5:1 Max.
Control Input High	Vdc -5.0 to -8.0 mA 0.150	-8.0 Max. 0.500 Max.
Control Input Low	Vdc 0 to -0.2 mA 0.010	0 Max. 0.030 Max.
Switching Speed (ns)	10	—

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

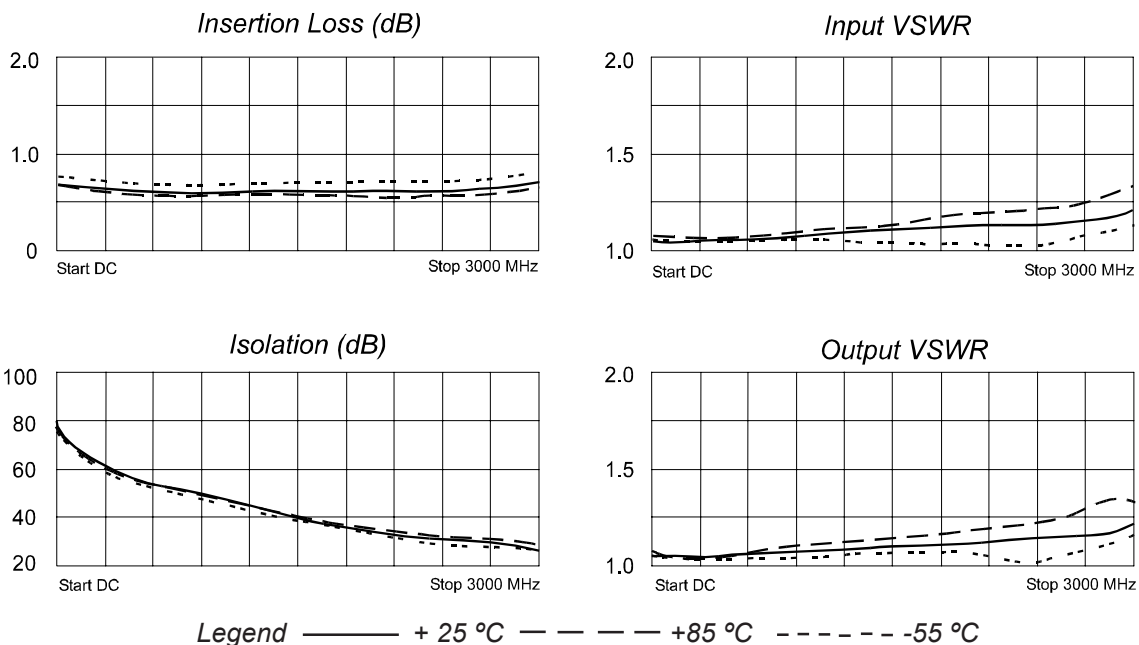
## Pin Layout



## Truth Table

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

## Typical Performance Data



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