

# SPDT RF SWITCH

## MODEL TWK2201

Package: 8 Pin TO-5 (T2)

Also Available In: Connectorized Housings

### Features

- DC - 3000 MHz
- Fast Switching Speed: 25 ns Typical
- RF1, RF2 Reflective in "OFF" State
- Reflective
- Environmental Screening Available

### Absolute Maximum (No Damage) Ratings

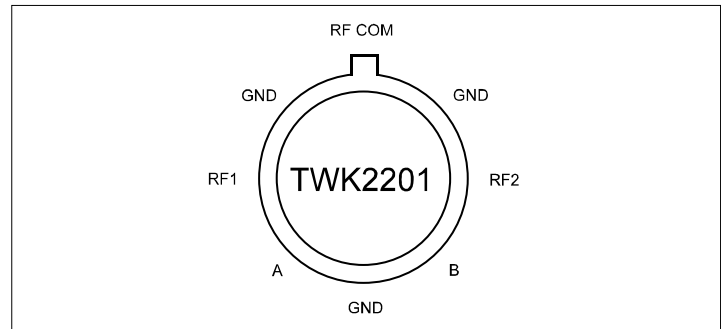
Ambient Operating Temperature .....	-55°C to +100 °C
Storage Temperature .....	-65°C to +125 °C
Case Temperature .....	+125 °C
DC Voltage .....	-8.5 Volts
Continuous RF Input Power .....	+30 dBm

### Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 3000 MHz	DC - 3000 MHz
Insertion Loss (dB)	1.0	1.3 Max.
Isolation (dB)	30	21 Min.
VSWR	"ON" "OFF"	2.0:1 Max. 2.0:1 Max.
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)	25	30 Max.

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

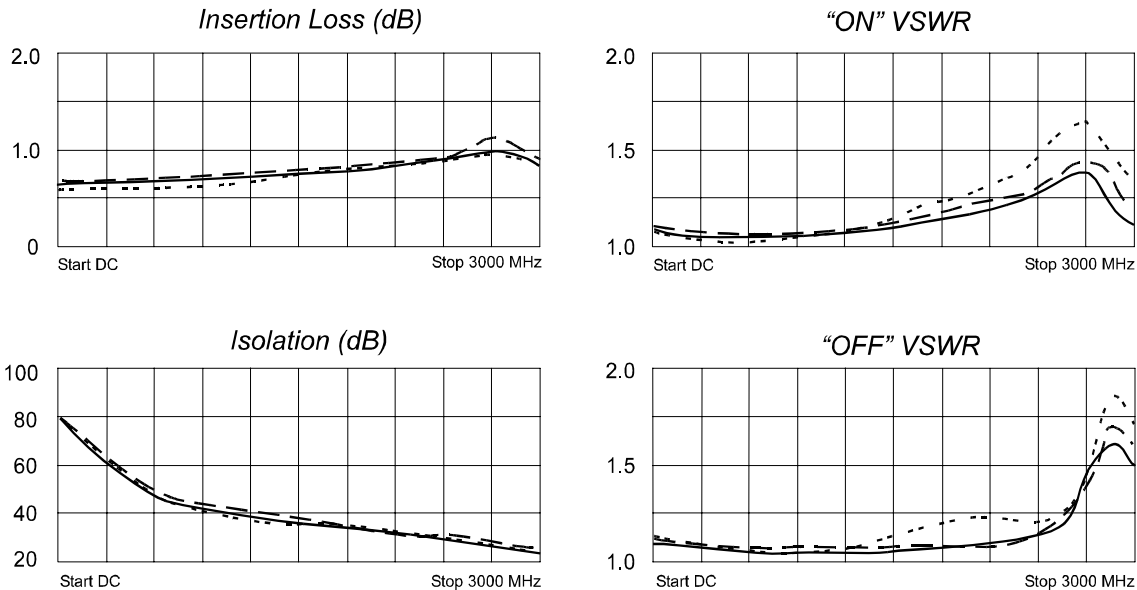
### Pin Layout



### Truth Table

Control Input		Switch State	
		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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