

SPDT RF SWITCH

MODEL TWK2201

Package: 8 Pin TO-5 (T2)

Also Available In: Connectorized Housings

Features

- DC - 3.0 GHz
- Fast Switching Speed: 25 ns Typical
- RF1, RF2 Reflective in "OFF" State
- OperatingTemp. -55 °C to + 85 °C
- Environmental Screening Available

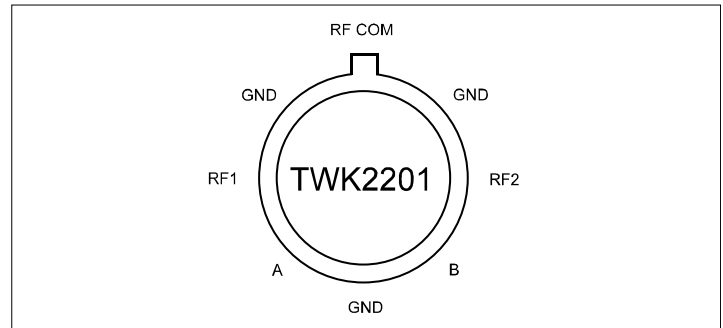
Maximum Ratings

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	1.3 Max.	
Isolation (dB)	≥30	21 Min.	
VSWR	"ON" "OFF"	<1.75 <1.75	2.0:1 Max. 2.0:1 Max.
Control	Vdc	-5.0 to -8.0	-8.0 Max.
Input High	mA	0.30	1.00 Max.
Control	Vdc	0 to -0.2	0 Max.
Input Low	mA	0.010	0.030 Max.
Switching Speed (ns)	25	30 Max.	

Pin Layout

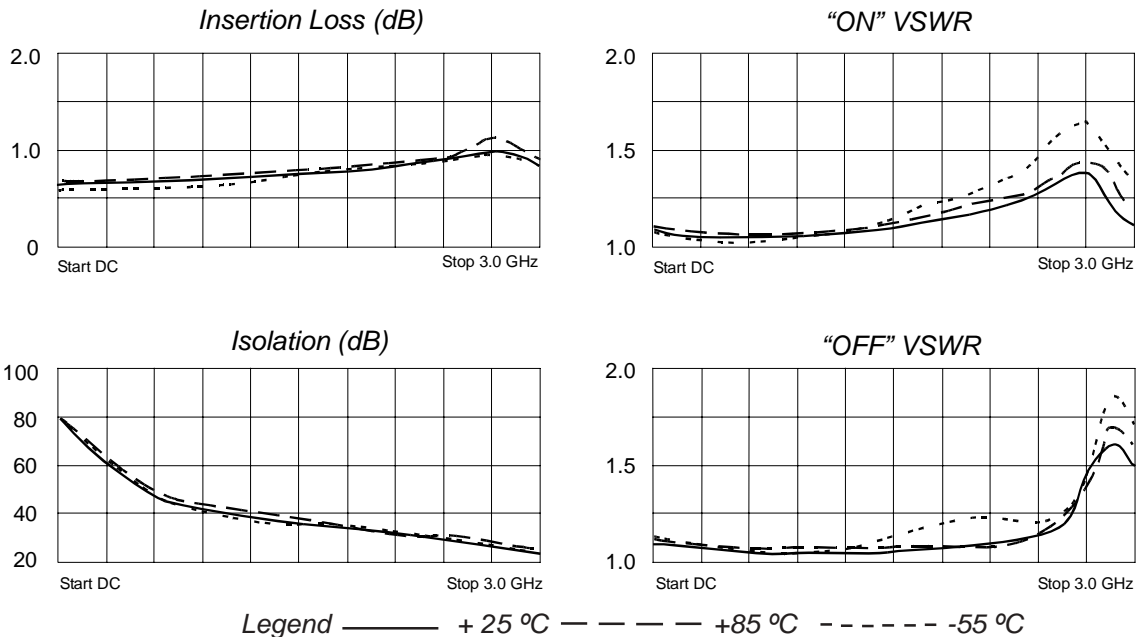


Truth Table

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

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

Typical Performance Data



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