

SPDT RF SWITCH

MODEL TWP2202

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

Features

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

Absolute Maximum (No Damage) Ratings

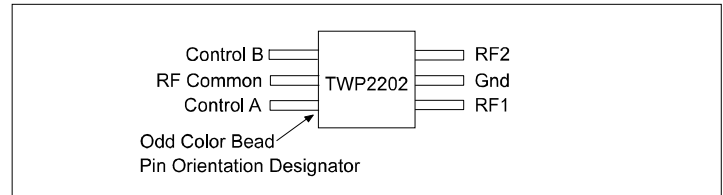
Ambient Operating Temperature -55°C to +100 °C
Storage Temperature -65°C to +125 °C
Case Temperature +125 °C
DC Voltage -8.5 Volts
Continuous RF Input Power +30 dBm

Specifications

CHARACTERISTIC		TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency		DC - 3000 MHz	DC - 3000 MHz
Insertion Loss (dB)		1.0	1.4 Max.
Isolation (dB)		≥30	23 Min.
VSWR	In	<1.4:1	1.5:1Max.
	Out	<1.4:1	1.5:1 Max.
Control Input High	Vdc mA	-5.0 to -8.0 0.30	-8.0 Max. 1.00 Max.
Control Input Low	Vdc mA	0 to -0.2 0.010	0 Max. 0.030 Max.
Switching Speed (ns)		10	15 Max.

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

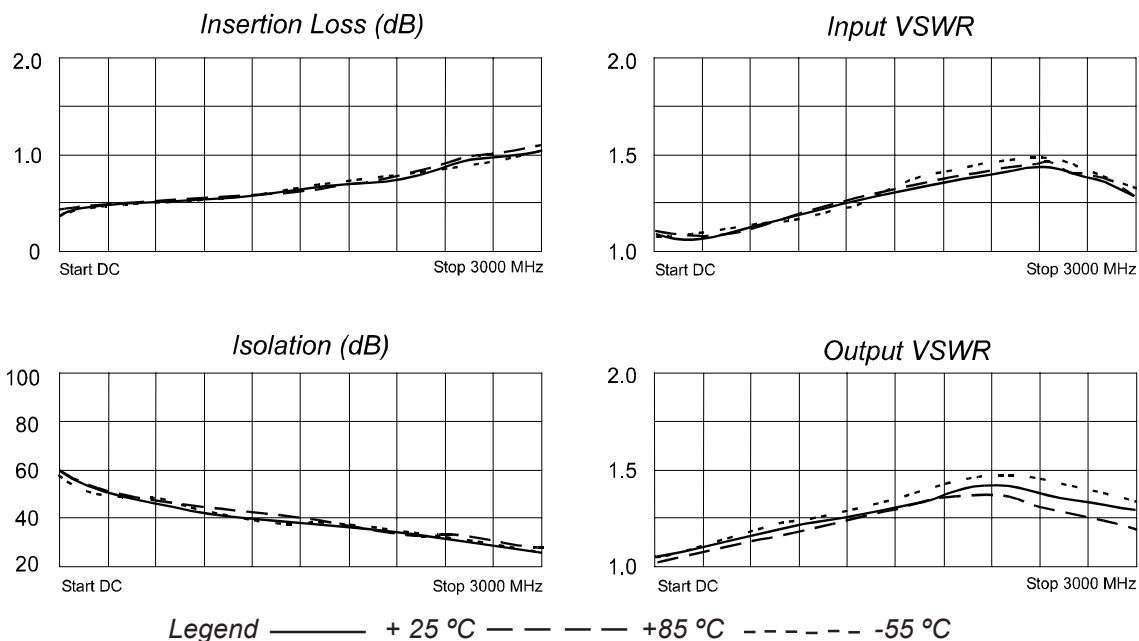
Pin Layout



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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