

SPDT RF SWITCH

MODEL TWP2202

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

Features

- DC - 3.0 GHz
- RF1, RF2 Reflective in "OFF" Position
- Fast Switching Speed: 10 ns Typical
- OperatingTemp. -55 °C to + 85 °C
- Environmental Screening Available

Maximum Ratings

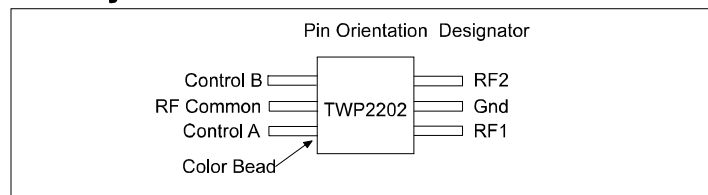
Ambient Operating Temperature -55°C to +100 °C
Storage Temperature -65°C to +125 °C
Case Temperature +125 °C
DC Voltage -8.5 Volts
Continuous RF Input Power +30 dBm

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	1.4 Max.
Isolation (dB)		≥30	23 Min.
VSWR	In	<1.4:1	1.5:1Max.
	Out	<1.4:1	1.5:1 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)		10	15 Max.

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

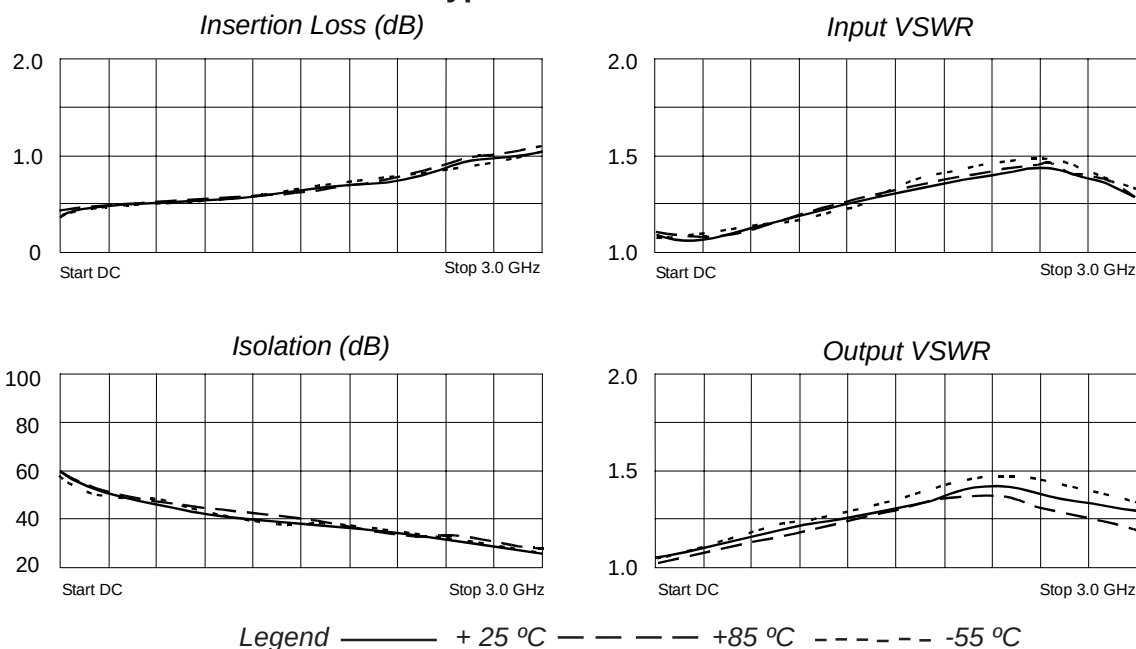
Pin Layout



Truth Table

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

Typical Performance Data



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532

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www.SpectrumMicrowave.com Spectrum Microwave · 2707 Black Lake Place · Philadelphia, Pennsylvania 19154 · PH (215) 464-4000 · Fax (215) 464-4001