

SPDT RF SWITCH

MODEL TWP2225

Available In: FP-12,6 Lead, 0.375" sq. Flatpack
and 6 Lead, 0.375" sq. Surface Mount Package

Features

- DC - 2000 MHz
- Integral TTL Driver
- Fast Switching Speed: 25 ns Typical
- Reflective
- Screening to the tables of MIL-STD-883 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 +/-7.0 Volts
Continuous RF Input Power +30 dBm

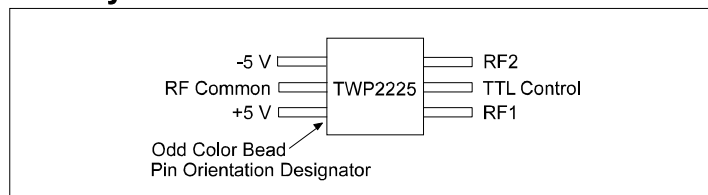
Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 2000 MHz	300 kHz - 2000 MHz
Insertion Loss (dB)	0.6	0.8 Max.
Isolation (dB)	>32	29 Min.
VSWR	"ON"	<1.25:1
DC Bias	Vdc mA	+/-5V 0.5
Switching Speed (ns)	25	30 Max.

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

Revision 3/22/2012

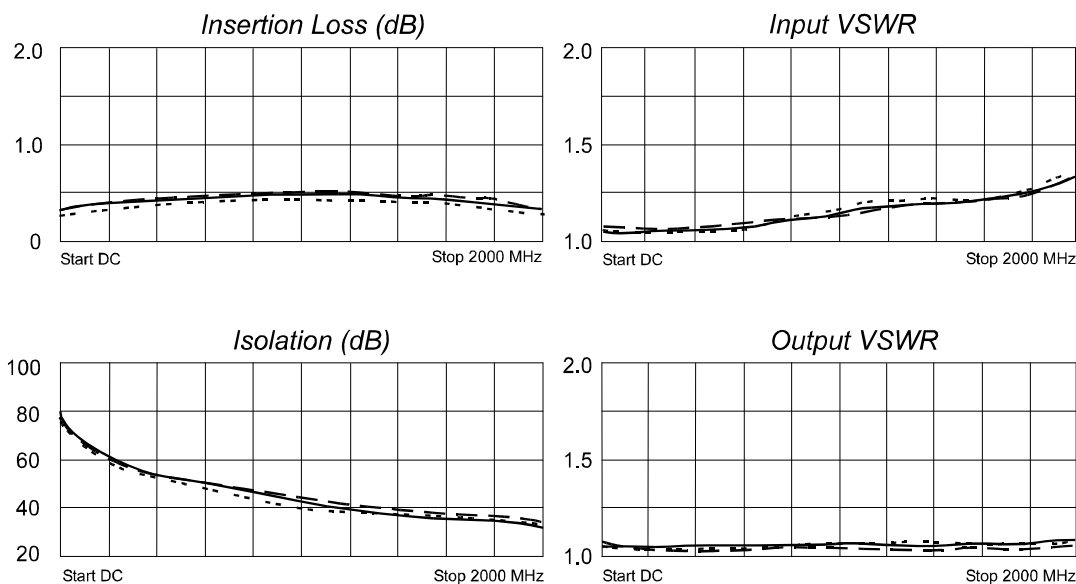
Pin Layout



Truth Table

Control Input	Switch Position
TTL	RF Common Connected To:
1	RF1
0	RF2

Typical Performance Data



Legend ——— + 25 °C - - - - +85 °C -55 °C



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

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