

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

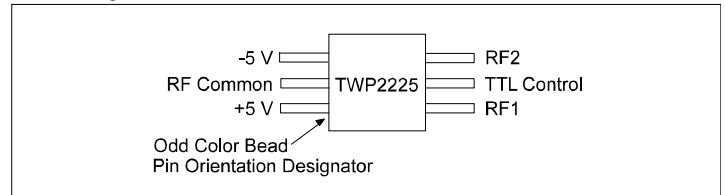
Specifications

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	+/-5V
	mA	0.5
Switching Speed (ns)	25	30 Max.

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

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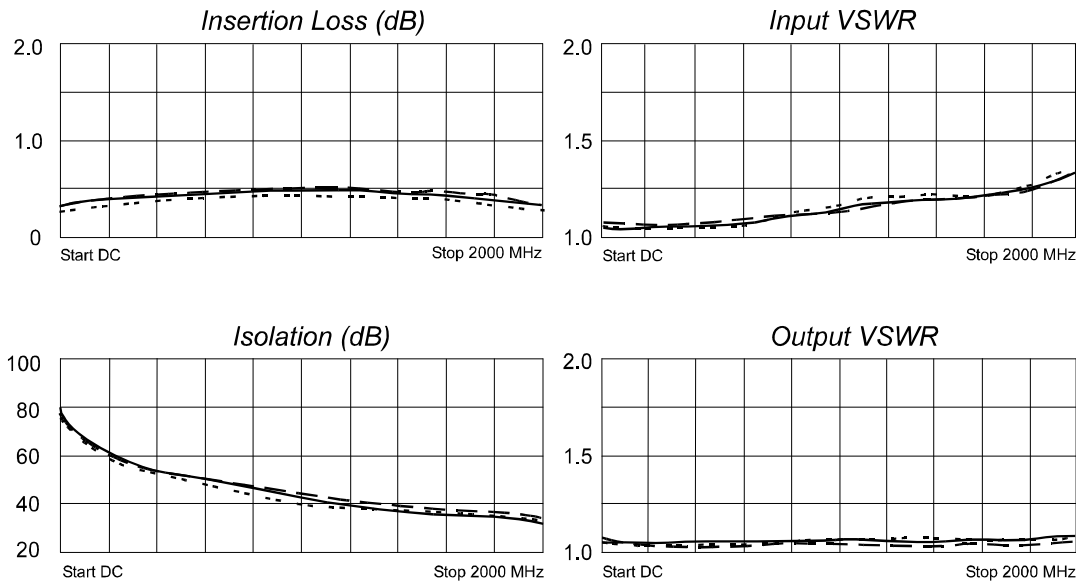
Pin Layout



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



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