

SPDT RF SWITCH

MODEL TWP2233

Available in:
0.82" x 0.49" 14 Pin Flatpack
and Connectorized Housings

Features

- 5 - 2000 MHz
- Fast Switching Speed: 30 ns Typical (GaAs)
- Integral TTL Driver
- Absorptive
- Screening to the tables of MIL-STD-883 available

Absolute Maximum (No Damage) Ratings

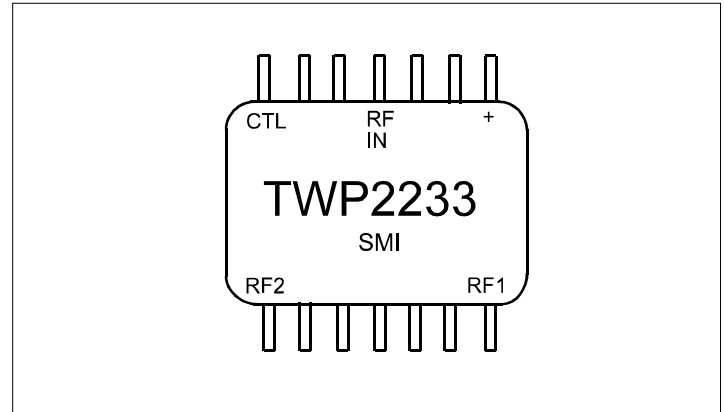
Ambient Operating Temperature -55°C to +100 °C
Storage Temperature -65°C to +125 °C
Case Temperature +125 °C
DC Voltage +7.0 Volts
Continuous RF Input Power +30 dBm

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	5 - 2000 MHz	5 - 2000 MHz
Insertion Loss (dB)	1.5	2.0 Max.
Isolation (dB)	45	40 Min.
VSWR	1.25:1	1.75:1 Max.
DC Vdc	+5.0	+5.0
Blas mA	0.01	0.05 Max.
Switching Speed (ns)	30	—
Transients (mV)	100	—
1dB Compression (dBm)		
50 MHz	+15	—
500 - 2000 MHz	+25	—
Intercept Points (dBm)	IP2 IP3	
50 MHz	+40 +30	—
500 - 2000 MHz	+65 +42	—

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

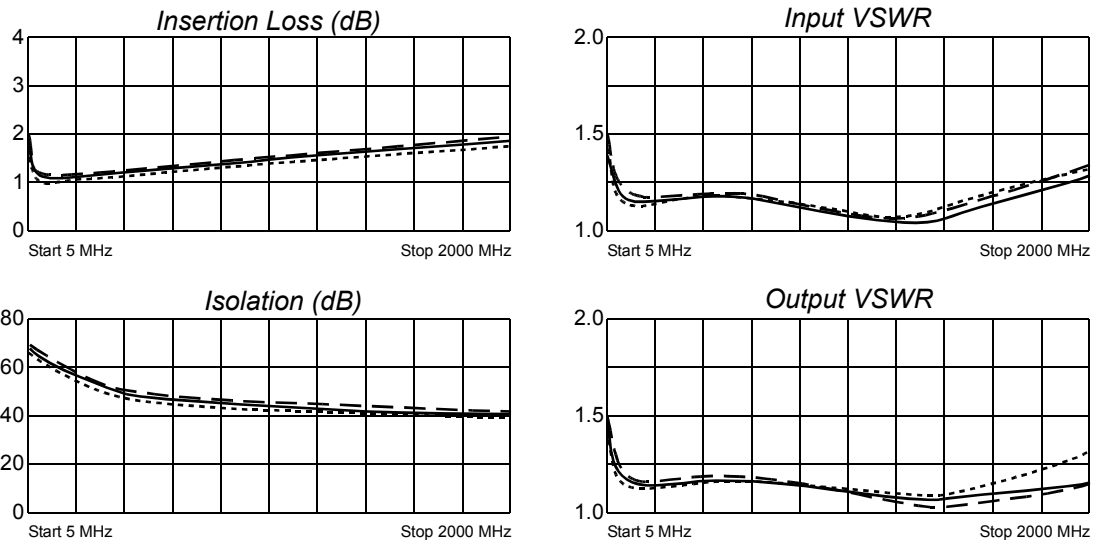
Pin Layout



Truth Table

Control Input	Switch Condition	
TTL	RF Common to RF Throw	
	RF1	RF2
0	ON	OFF
1	OFF	ON

Typical Performance Data



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



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