

# 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 - 2.0 GHz
- Fast Switching Speed: 20 ns Typical
- Integral TTL Driver
- Operating Temp. - 55 °C to + 85 °C
- Screening to the tables of MIL-STD-883 available

## Maximum Ratings

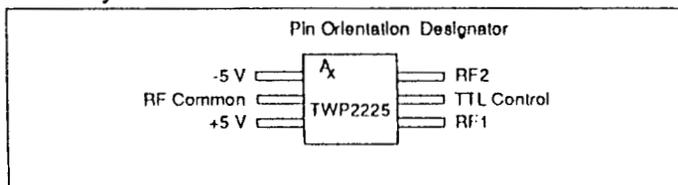
Ambient Operating Temperature . . . . . - 55 °C to + 100 °C  
 Storage Temperature . . . . . - 65 °C to + 125 °C  
 Case Temperature . . . . . + 125 °C  
 DC Voltage . . . . . ± 7.0 Volts  
 Continuous RF Input Power . . . . . +30 dBm

## Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = - 55 °C to + 85 °C
Frequency	DC - 2.0 GHz	DC - 2.0 GHz
Insertion Loss (dB)	0.6	0.8 Max.
Isolation (dB)	≥ 32	29 Min.
VSWR 'ON'	<1.25:1	1.5:1 Max.
DC Bias Vdc	±5 V	±6 V Max.
DC Bias Idc mA	0.5	1.2 Max.
Switching Speed (nsec)	20	25 Max.

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

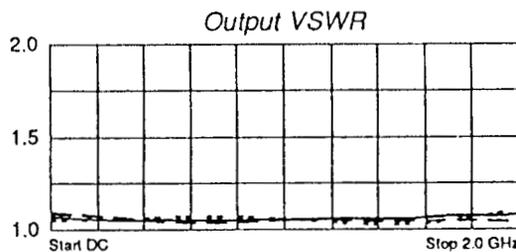
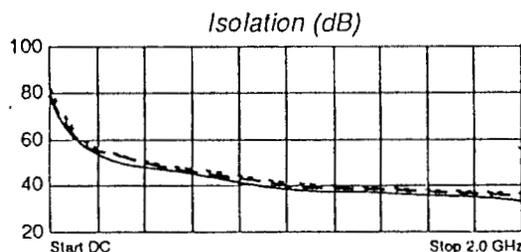
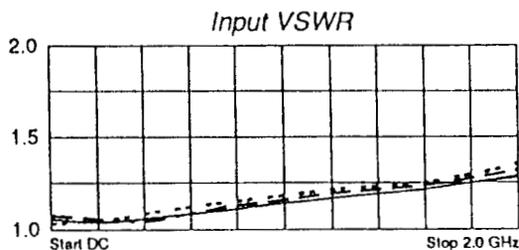
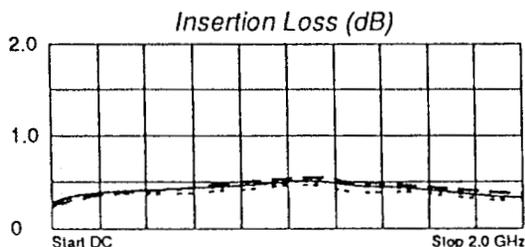
## Pin Layout



## 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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