

# SPST RF SWITCH

## MODEL *TWM5000*

Package: 5 Pin TO-8 (T5)  
 Also Available In: Package  
 and Connectorized Housings

### Features

- 10 - 1500 MHz
- RF1, RF2 Terminated in "OFF" State
- Integral TTL Driver
- Operating Temp. -55 °C to + 85 °C
- Environmental Screening Available

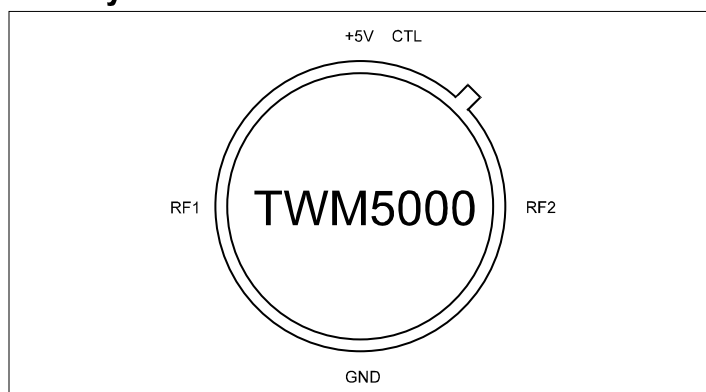
### Maximum Ratings

Ambient Operating Temperature ..... -55°C to + 100 °C  
 Storage Temperature ..... -65°C to + 125 °C  
 Case Temperature ..... + 125 °C  
 DC Voltage ..... +6.0 Volts  
 Continuous RF Input Power ..... +30 dBm

### Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	10 - 1500 MHz	10 - 1500 MHz
Insertion Loss (dB)	1.2	1.7 Max.
Isolation (dB)	48	39 Min.
VSWR	1.3:1	1.7:1 Max.
DC Bias	Vdc +5 mA 2	+5 Max. 5 Max.
Switching Speed (msec)	0.15	0.50 Max.
Transients (mV)	200	—
1dB Compression (dBm)	+23	—
Intercept Points (dBm)	IP2 +65 IP3 +40	—

### Pin Layout

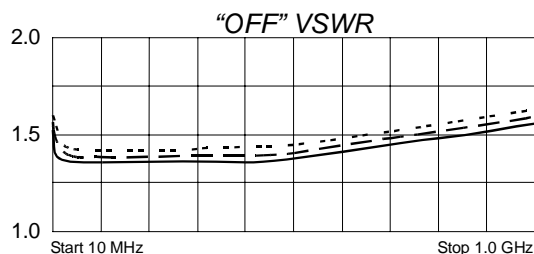
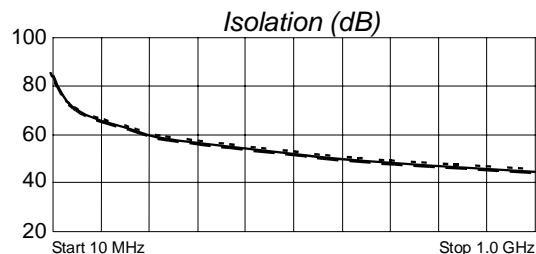
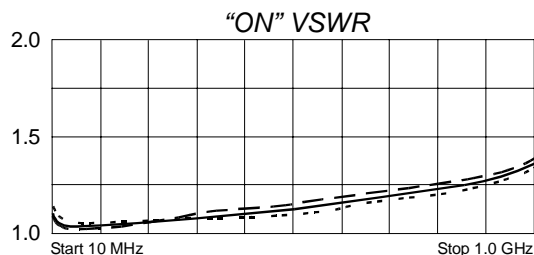


### Truth Table

Control Input	Switch Position
TTL	RF1 to RF2
0	'OFF'
1	'ON'

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

### Typical Performance Data



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



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