

SPST RF SWITCH

MODEL *TWM6001*

Package: 5 Pin TO-8 (T5)
Also Available In: Flatpack, Surface Mount Flatpack,
 and Connectorized Housing

Features

- 10 - 1500 MHz
- Fast Switching Speed: 15 ns Typical
- RF2 Terminated in "OFF" State
- Absorptive
- Environmental Screening Available

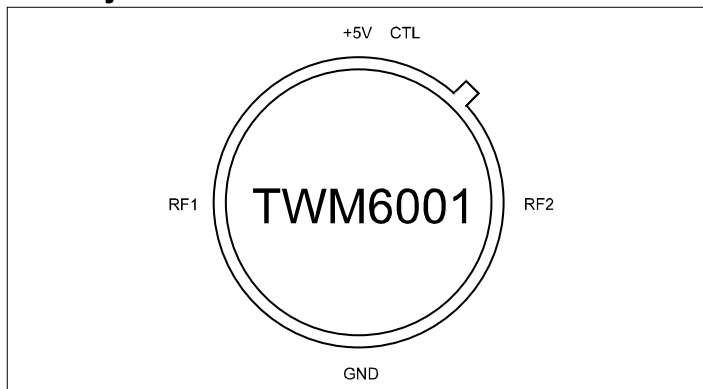
Absolute Maximum (No Damage) Ratings

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	10 - 1500 MHz	10 - 1500 MHz
Insertion Loss (dB)	1.2	1.4 Max.
Isolation (dB)	≥40	38 Min.
VSWR	<1.25:1	1.4:1 Max.
DC Vdc	+5	+5 Max.
Bias mA	0.1	1.0 Max.
Switching Speed (ns)	15	25 Max.
Transients (mV)	60	—
1 dB Compression (dBm)		
50 MHz	+21	—
>500 MHz	+27	—
Intercept Points (dBm)	IP2 IP3	
50 MHz	+60 +40	—
>500 MHz	+68 +46	—

Pin Layout

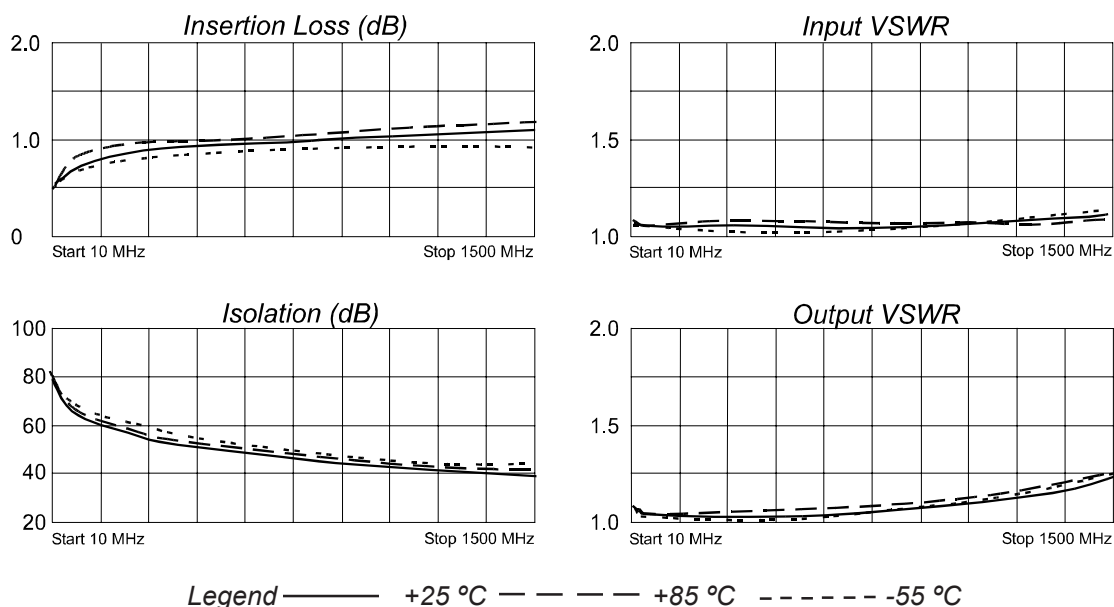


Truth Table

Control Input	Switch Position
TTL	
0	ON
1	OFF

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

Typical Performance Data



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