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

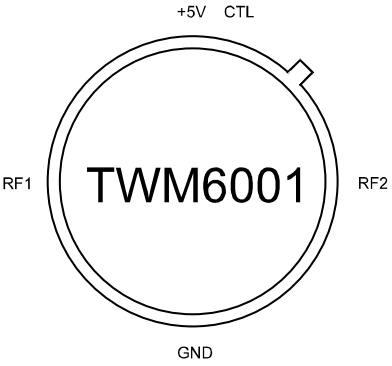
Ambient Operating Temperature ..... -55ºC to +100 ºC
Storage Temperature ..... -65ºC to +125 ºC
Case Temperature ..... +125 ºC
DC Voltage ..... +7.0 Volts
Continuous RF Input Power ..... +30 dBm

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
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 Bias mA	+5 0.1	+5 Max. 1.0 Max.
Switching Speed (ns)	15	25 Max.
Transients (mV)	60	—
1 dB Compression (dBm) 50 MHz >500 MHz	 +21 +27	 — —
Intercept Points (dBm) 50 MHz >500 MHz	IP2 IP3 +60 +40 +68 +46	 — —

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

Pin Layout

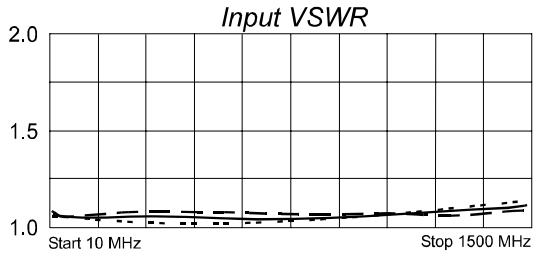


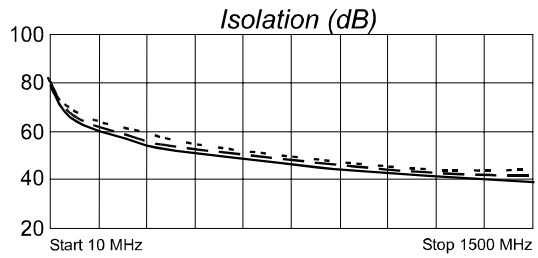
Truth Table

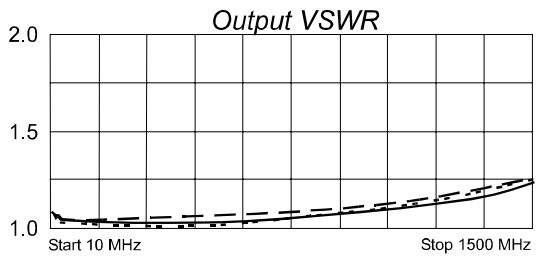
Control Input	Switch Position
TTL	
0	ON
1	OFF

Typical Performance Data









Legend ——— *+25 ºC* — — — — *+85 ºC* – – – – – – *-55 ºC*

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Rev. 5/17/10