

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
- Absorptive
- Environmental Screening Available

Absolute Maximum (No Damage) Ratings

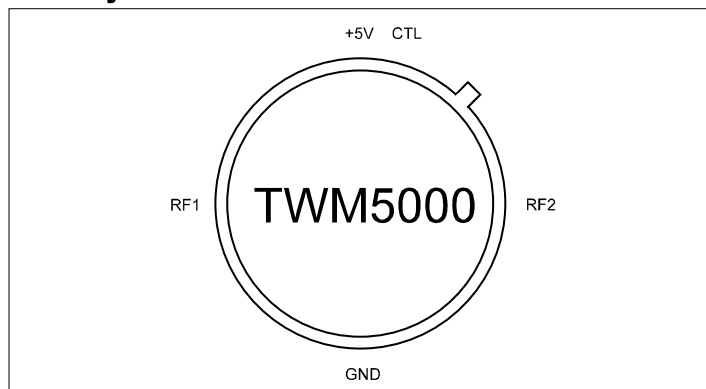
Ambient Operating Temperature -55°C to +100 °C
 Storage Temperature -65°C to +125 °C
 Case Temperature +125 °C
 DC Voltage +6.0 Volts
 Continuous RF Input Power +30 dBm

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 Vdc	+5	+5 Max.
Bias mA	2	5 Max.
Switching Speed (i sec)	150	—
Transients (mV)	200	—
1dB Compression (dBm)	+23	—
Intercept Points (dBm)	IP2 IP3 +65 +40	—

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

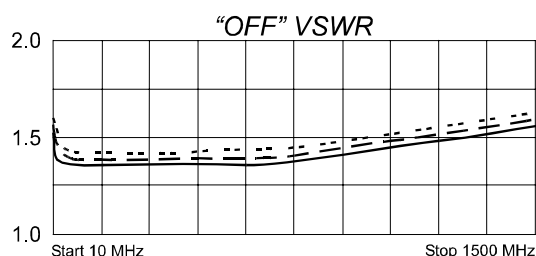
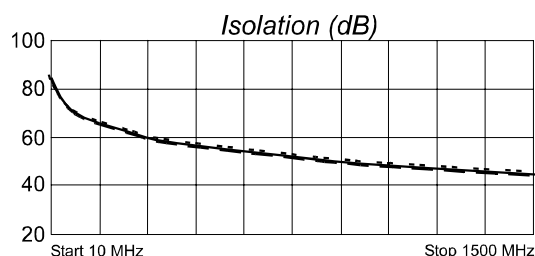
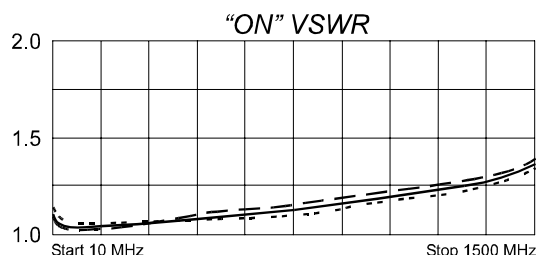
Pin Layout



Truth Table

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

Typical Performance Data



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



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