SP4T RF SWITCH
MODEL *TWD2301*

Package: 14 Lead DIP Package (DP11)
Also Available In: Connectorized Housings

Features

- DC - 2000 MHz
- RF1 - RF4 Terminated in "OFF" State
- Integral TTL Driver
- Environmental Screening Available

Absolute Maximum (No Damage) Ratings

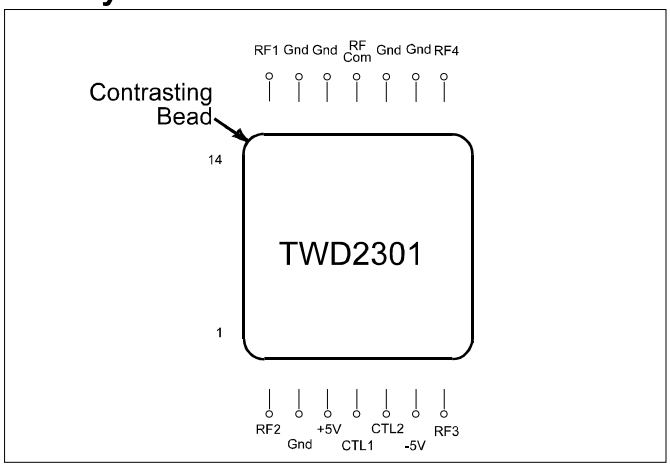
Ambient Operating Temperature ..... -55ºC to +100 ºC
Storage Temperature ..... -65ºC to +125 ºC
Case Temperature ..... +125 ºC
DC Voltage ..... +7.0 Volts
Continuous RF Input Power ..... +30 dBm

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
Frequency	DC - 2000 MHz	DC - 2000 MHz
Insertion Loss (dB)		
DC-100 MHz	1.7	2.5 Max.
100-1000 MHz	2.2	3.0 Max.
1000-2000 MHz	2.5	3.5 Max.
Isolation (dB)		
DC-100 MHz	62	55 Min.
100-300 MHz	60	50 Min.
300-1000 MHz	46	40 Min.
1000-2000 MHz	36	30 Min.
Switching Speed (ns)	28	40 Max.
VSWR DC - 2000 MHz	1.2:1	1.5:1 Max.
Intercept Points (dBm)		
2nd	+44	—
3rd	+29	—
DC Current (mA)		
+5 Vdc	7	10 Max.
-5 Vdc	5	10 Max.

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

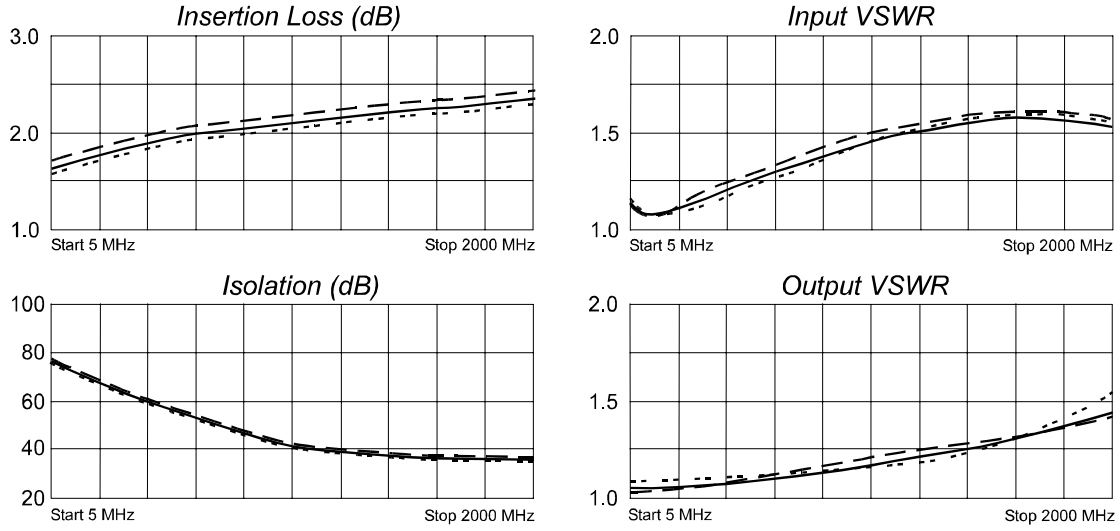
Pin Layout



Truth Table

C2	C1	THRU PATH
0	0	COM TO RF 1
0	1	COM TO RF 2
1	0	COM TO RF 3
1	1	COM TO RF 4

Typical Performance Data



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

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