

SP4T RF SWITCH

MODEL TWP2262

Package: FP14 - 16 Lead Flatpack
Also Available In: Connectorized Housings

Features

- 5 - 2000 MHz
- RF1, RF4 Terminated in "OFF" State
- Integral TTL Driver
- Absorptive
- Environmental Screening Available

Absolute Maximum (No Damage) Ratings

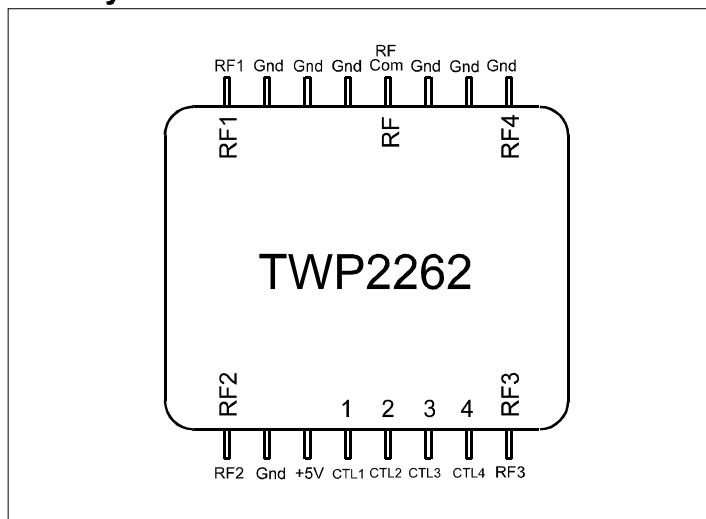
Ambient Operating Temperature -55°C to +100 °C
Storage Temperature -65°C to +125 °C
Case Temperature +125 °C
DC Voltage +7.0 Volts
Continuous RF Input Power +30 dBm

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	5 - 2000 MHz	5 - 2000 MHz
Insertion Loss (dB)	1.2	2.0 Max.
Isolation (dB)	45	35 Min.
VSWR "ON"	1.5:1	2.0:1 Max.
DC Bias Vdc	+5	+5 Max.
Bias mA	0.5	1.0 Max.
Switching Speed Ton/Toff (ns)	20	—
Transition Time Rise/Fall Time (ns)	3	—
Transients (mV)	80	—
1 dB Compression (dBm) 50 MHz	+21	—
500 - 2000 MHz	+27	—
Intercept Points (dBm) 50 MHz	IP2 +62 IP3 +40	—
500 - 2000 MHz	+68 +46	—

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

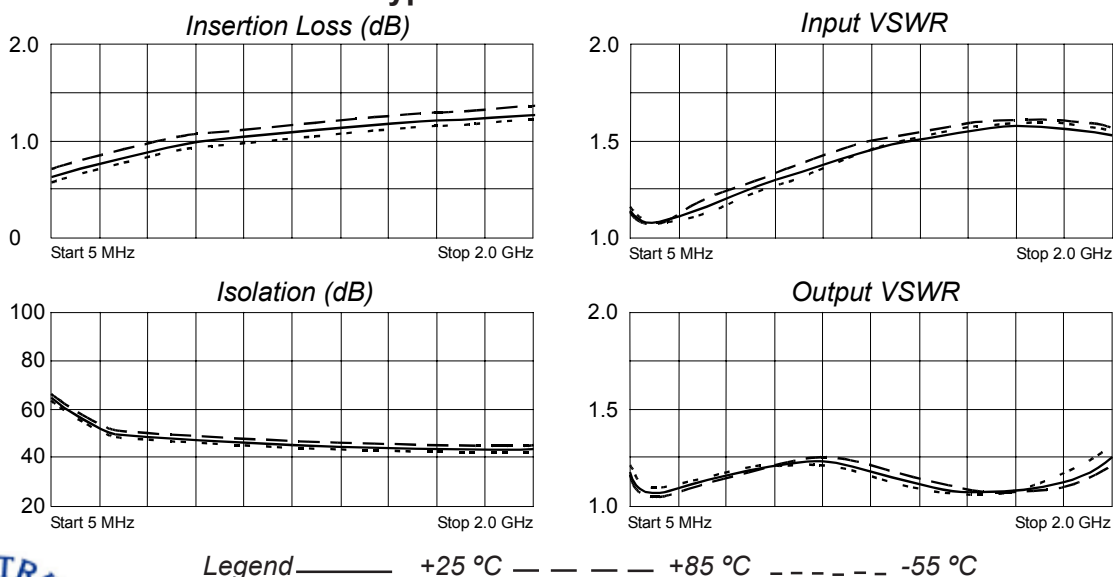
Pin Layout



Truth Table

Control Input	Switch Condition
TTL	RF Common To RF Throw
1	Low Loss ("ON")
0	Isolated ("OFF")

Typical Performance Data



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