SPDT RF SWITCH
MODEL *TWN6201*

Available as: TWK6201: 8 Pin TO-5 (T2)
TWN6201: .375" Sq. Surface Mount (SG1)

Features

- DC - 3.0 GHz
- Fast Switching Speed: 15 ns Typical
- RF1, RF2 Reflective in "OFF" State
- Absorptive
- Environmental Screening Available

Absolute Maximum (No Damage) Ratings

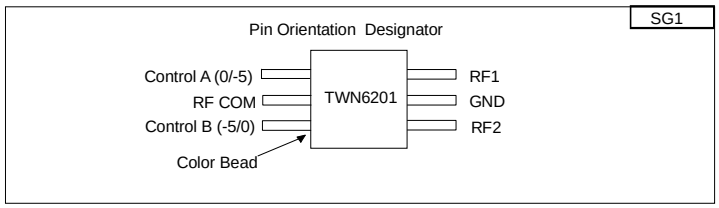
Ambient Operating Temperature ..... -55ºC to +100 ºC
Storage Temperature ..... -65ºC to +125 ºC
Case Temperature ..... +125 ºC
DC Voltage ..... -8.5 Volts
Continuous RF Input Power ..... +30 dBm

Specifications

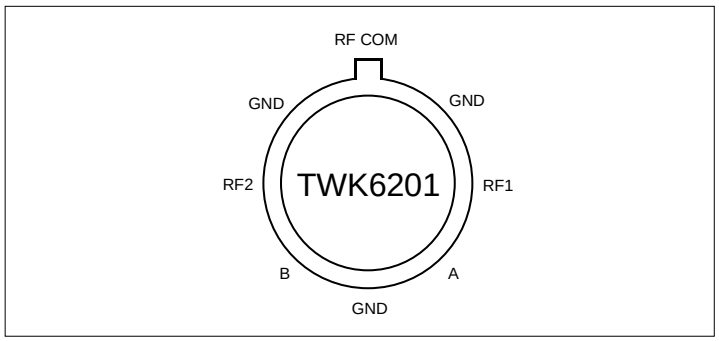
CHARACTERISTIC		TYPICAL Ta = 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
Frequency		DC - 3.0 GHz	DC - 3.0 GHz
Insertion Loss (dB)		1.0	2.0 Max.
Isolation (dB)		≥40	30 Min.
VSWR	"ON"	<1.5	2.0:1 Max.
	"OFF"	<1.75	2.0:1 Max.
Control Input High	Vdc	-5.0 to -8.0	-8.0 Max.
	mA	0.30	1.00 Max.
Control Input Low	Vdc	0 to -0.2	0 Max.
	mA	0.010	0.030 Max.
Switching Speed (ns)		15	—

Note: Care should always be taken to effectively ground the case of each unit.
Revision 2/7/2013

Pin Layout

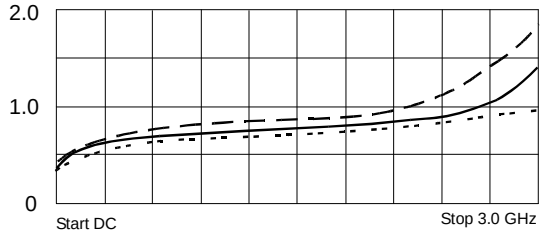


Pin Layout (8 Pin TO-5 Package)

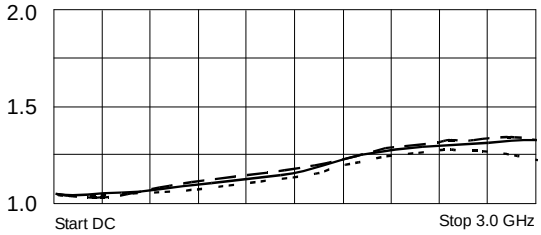


Typical Performance Data

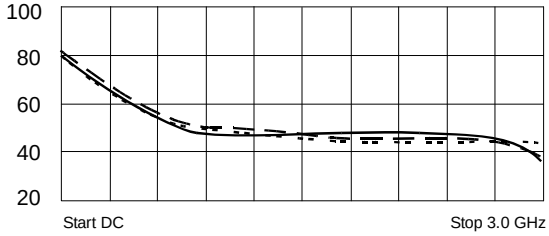
Insertion Loss (dB)



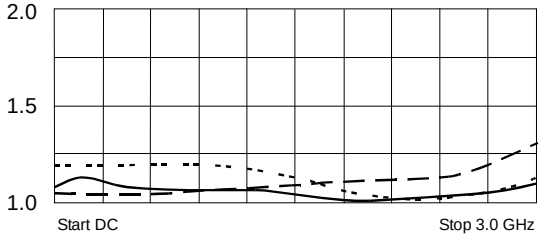
"ON" VSWR



Isolation (dB)



"OFF" VSWR



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

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