

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

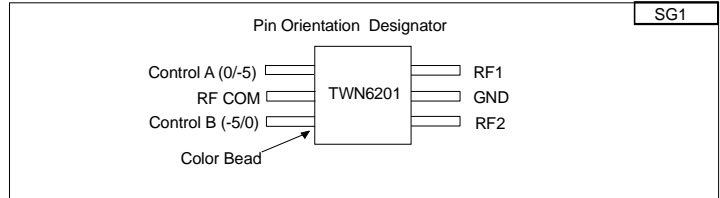
Ambient Operating Temperature -55°C to +100 °C
 Storage Temperature -65°C to +125 °C
 Case Temperature +125 °C
 DC Voltage -8.5 Volts
 Continuous RF Input Power +30 dBm

Specifications

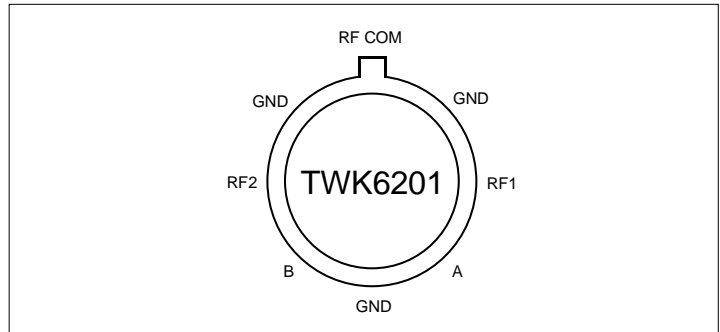
| CHARACTERISTIC | TYPICAL Ta = 25 °C | MIN/MAX Ta = -55 °C to +85 °C | |
|----------------------|--------------------------------|----------------------------------|------------------------|
| Frequency | DC - 3.0 GHz | DC - 3.0 GHz | |
| Insertion Loss (dB) | 1.0 | 2.0 Max. | |
| Isolation (dB) | ≥40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

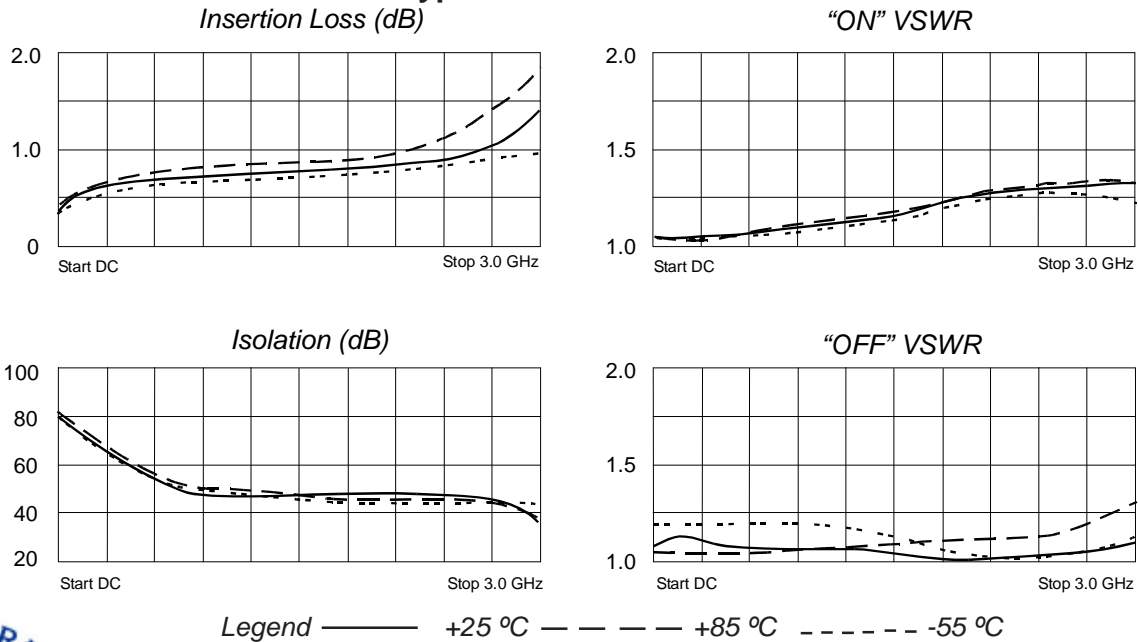
Pin Layout



Pin Layout (8 Pin TO-5 Package)



Typical Performance Data



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