

SPST RF SWITCH

MODEL TWGP2113

Available as: TWGP2113, 10 Lead Gull-Wing (SG18)
 BXW2113, Connectorized Housing

Features

- DC - 2.0 GHz
- Fast Switching Speed: 15 ns Typical
- Internal TTL Driver
- OperatingTemp. -55 °C to + 85 °C
- Absorptive
- RF1 Terminated in "OFF" State

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	DC - 2.0 GHz	DC - 2.0 GHz
Insertion Loss (dB)	1.5	1.75 Max.
Isolation (dB)	50	35 Min.
VSWR	"ON"	2.0:1 Max.
RF1	"OFF"	1.5:1 Max.
DC Bias	Vdc mA	+/- 5 V 0.5
Switching Speed (nsec)	20	50 Max.

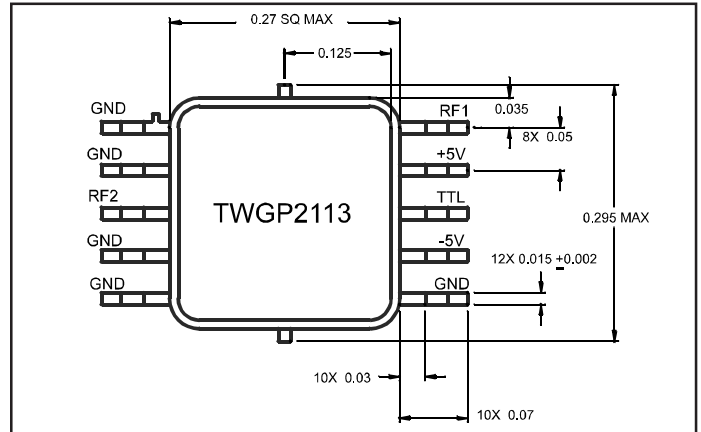
Notes:

1. Care should always be taken to effectively ground the case of each unit.
2. Typical performance taken at midband.

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

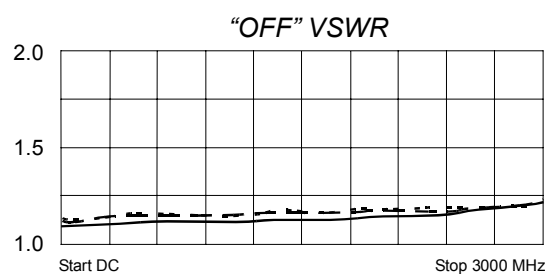
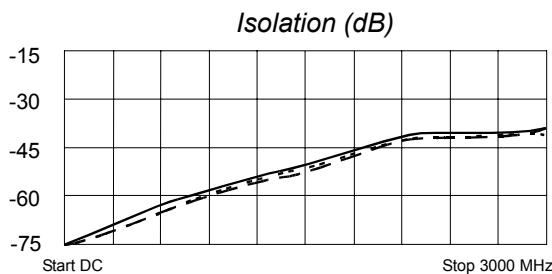
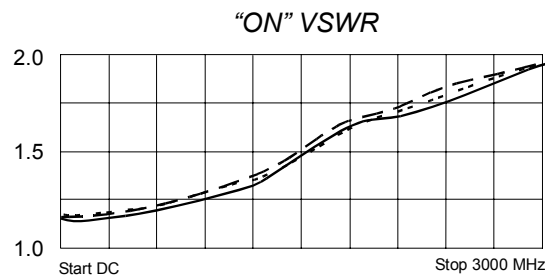
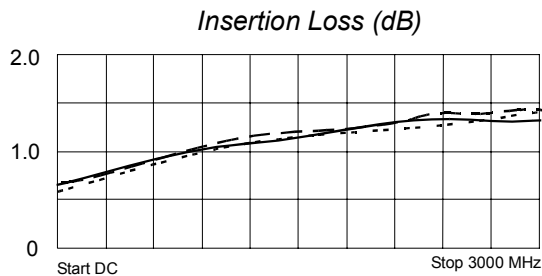
Pin Layout



Truth Table

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

Typical Performance Data



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

