BGS12PL6 BOARD

Description:

BGS12PL6 general purpose high RF power SPDT switch is designed to cover a broad range of high RF power applications from 30 MHz to 4 GHz, mainly in the transmit path of GSM, WCDMA and LTE mobile phones. The symmetric design of its single pole double throw configuration offers high design flexibility. This single supply device integrates on-chip CMOS logic driven by a simple, single-pin CMOS / TTL compatible control input signal. The 0.1 dB compression point exceeds the switch's maximum input power level of 35 dBm, resulting in high linear performance at all signal levels. The RF switch has a very low insertion loss of 0.36 dB in the 1 GHz, 0.46 dB in the 2 GHz and 0.6 dB in the 3 GHz range.

Product: BGS12PL6

Summary of Features:

- 2 high-linearity TRx paths with power handling capability of up to 35 dBm
- All ports fully symmetrical
- Low insertion loss
- Low harmonic generation
- High port-to-port isolation
- 0.03 to 4 GHz coverage
- High ESD robustness
- On-chip control logic
- Very small leadless and halogen free package TSLP-6-4 (0.7x1.1mm2) with super low height of 0.31 mm

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Parametric	BGS12PL6 BOARD
Switch Type	SPDT
Control Interface	GPIO
Frequency Range	0.1 - 4.0
P_{max} **max**	35.0dBm
Insertion Loss (@1GHz)	0.36dB
Isolation (@1GHz)	37.0dB
Supply Voltage	2.4 - 3.6

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Application Notes

Title	Size	Date	Version
AN319 - BGS12PL6: SPDT RF CMOS Switch for High Power Applications	742 KB	01 Aug 2013	01_00

Sales Product Name	**BGS12PL6 BOARD**
OPN	BGS12PL6BOARDTOBO1
Product Status	on request
Order online	Coming soon
Package Name	---
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER