

NJG1505

GaAs SPDT SWITCH IC

■ GENERAL DESCRIPTION

NJG1505 is a GaAs SPDT switch IC designed for the application needed high isolation characteristics, such as 1.65GHz local oscillator switch of PHS etc.

This switch can be also used in the wide frequency from 200MHz to 2.5GHz, and operates at low voltage from 2.5V with low insertion loss.

■ PACKAGE OUTLINE

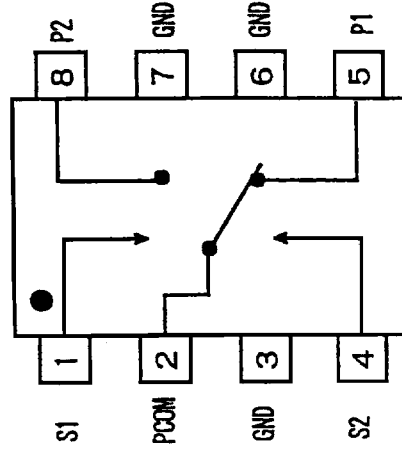


NJG1505R

■ FEATURES

- High isolation: 55dB(typ.)@1.65GHz
- Single and low supply voltage: +2.5~+5.5V
- Low insertion loss: 0.8dB(typ.)@1.65GHz, Pin=0dBm
- Input power at 1dB Compression point: 22dBm(typ.)@1.65GHz
- Small package: VSP8(SSQP8)

■ PIN CONFIGURATION



■ TRUTH TABLE

VCTR(L)=0V, VCTR(H)=2.7V			
S1	S2	P1 - PCOM	P2 - PCOM
VCTR(L)	VCTR(H)	ON	OFF
VCTR(H)	VCTR(L)	OFF	ON