

DATA SHEET

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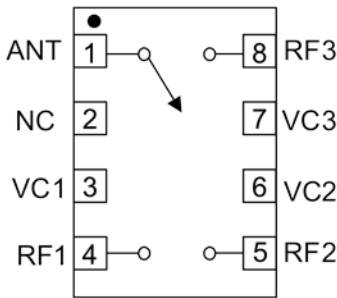
RDASW37 SP3T Switch for Wireless Communication

RDA SOI CMOS SP3T Switch

Features

- Low Insertion Loss
- Low Harmonics
- High isolation
- ESD Protection at all ports
- Miniature 1.5×1.5QFN Package
- SOI CMOS Process

Functional Diagram



Description

RDA’s RDASW37 is a SOI CMOS single pole three throw (SP3T) high power switch. The RDASW37 is ideally suited for applications where high power, low insertion loss and small size are required. Typical applications are for handset systems that connect separate transmit and receive functions to a common antenna, as well as other related handset and general purpose applications.

Pin Definition

PIN No.	PIN Name	Description
1	ANT	Antenna Port
2	NC	Not connect
3	VC1	Control RF Port 1
4	RF1	RF Port 1
5	RF2	RF Port2
6	VC2	Control RF Port 2
7	VC3	Control RF Port 3
8	RF3	RF Port3

Absolute Maximum Ratings

Parameter	Absolute Maximum
Max Input Power	+30dBm
Operating Voltage	+4.0 V
Operating Temperature	-40℃ to +85℃
Storage Temperature	-65℃ to +150℃

* Current leakage and performance deterioration may increase at maximum rating conditions.