

RDASW91 SP9T Switch

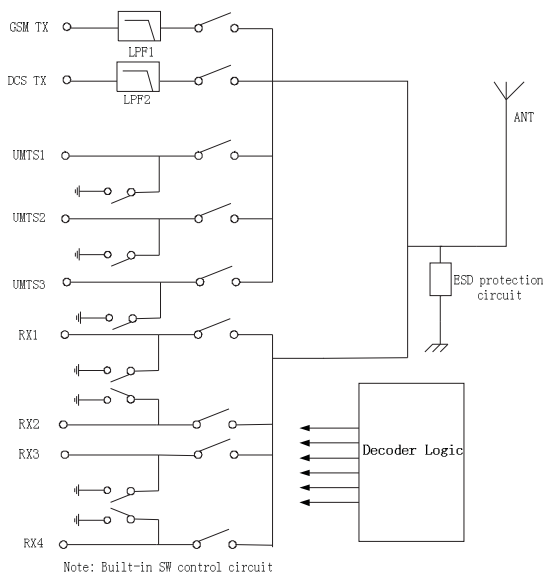
Description

RDASW91 is a single pole nine throw (SP9T) antenna switch module. RDASW91 is ideally suited for applications where high power, low control voltage, low insertion loss, high isolation, small size and low cost 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.

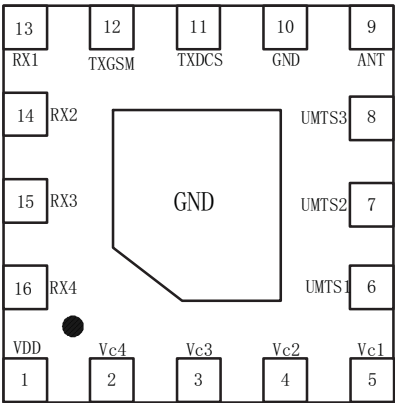
Features

- Low Insertion Loss: 1.2 dB at 900MHz, 1.3 dB at 1800MHz
- High linearity
- TX—RX Isolation > 40 dBc
- USMT ports with +63 dBm IIP3
- USMT ports with +110 dBm IIP2
- No blocking capacitors required
- ESD protection
- SOI CMOS Process
- Package: LGA 2.5mm×2.5mm×1.1mm

Functional Diagram



Pin Assignment



Pin Name definition

Pin No.	Pin Name	Description	Pin No.	Pin Name	Description
1	VDD	Voltage Supply	9	ANT	Switch Antenna
2	Vc4	Control Logic	10	GND	Ground
3	Vc3	Control Logic	11	TXDCS	DCS TX Port
4	Vc2	Control Logic	12	TXGSM	GSM TX Port
5	Vc1	Control Logic	13	RX1	RX Port
6	UMTS1	UMTS1 Tx/Rx Port	14	RX2	RX Port
7	UMTS2	UMTS2 Tx/Rx Port	15	RX3	RX Port
8	UMTS3	UMTS3 Tx/Rx Port	16	RX4	RX Port