

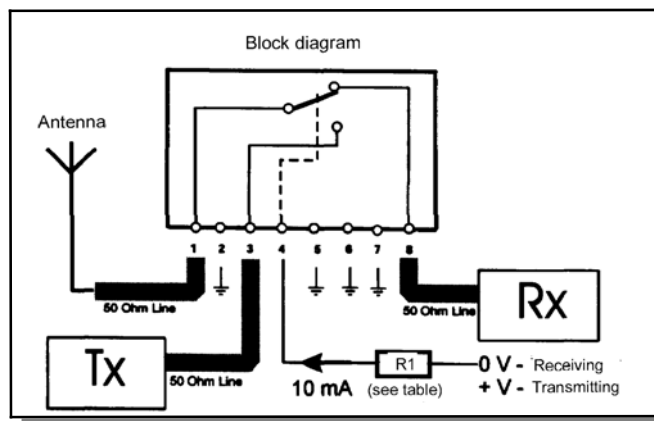
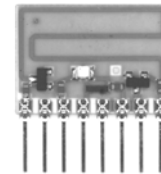


## RT-SW Receive /Transmit Antenna Switch

Fast electronic antenna switch module with no mechanical contacts. The RT-SW makes it possible to simply connect a transmitter module and receiver module together, to form a transceiver for bi-directional half duplex communications. Incorporating the RT-SW eliminates the need for two antenna or relay switching of the transmit and receive antenna when implementing individual Tx and Rx modules for bi-directional RF links.

### Technical Specification

- High-miniaturization SIL thick-film hybrid circuit
- Operating frequency : 433.92 MHz
- RF bandwidth : 20 MHz
- Insertion loss: Rx-Ant: -0.5 dB ; Tx-Ant: -1.6 dB
- Separation Rx-Tx (receiving) : 35 dB Tx-Rx (transmitting) : 27 dB
- Switchable power: +20 dBm
- Ant-Rx-Tx Impedance: 50Ω
- Control Voltage Ant-Rx : 0 mA @ 0 V Tx-Ant -. 10 mA @ +V (see Table)
- Switching time: <100μsec.
- Dimensions: 20.5 x 14.6 x 3 mm. Pin pitch 2.54 mm;



Pin Description			
1	Antenna	4	Control Voltage
2,5	Ground	6,7	Ground
3	Tx RF OUT (50Ω)	8	Rx RF IN (50Ω)

Control Voltage	Resistor R1
5V	0Ω
9V	390Ω
12V	680Ω