RF1255

ANTENNA SWITCH MODULE WITH DUAL ANTENNA PATHS

Package Style: 26-pin, 2.8mm x 3.6mm x 1.0mm
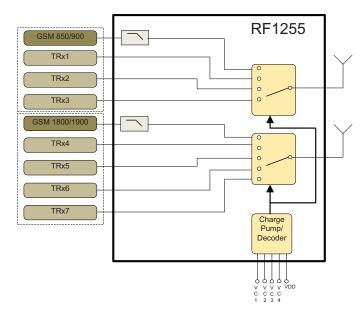

Functional Block Diagram

Features

- Excellent Insertion Loss and Isolation Performance
- Seven Linear Paths Offer Maximum Band Combination, Layout, and Air Interface Flexibility
- Integrated Low and High Band GSM TX Filtering
- Very Low Current Consumption
- Compact 2.8mm x 3.6mm x 1.0mm Laminate Module
- >1kV HBM ESD Tolerance On All Ports

Applications

- Cellular Handset Applications
- Cellular Modems and USB Devices
- Multi-Mode GSM, EDGE, WCDMA, and LTE Applications

Product Description

The RF1255 Antenna Switch Module offers very low insertion loss along with excellent linearity performance. The RF1255 is ideal for multi-mode GSM, EDGE, and UMTS handset applications. This module integrates low pass filtering on the GSM transmit paths, thus avoiding the need for external harmonic attenuation. The RF1255 also provides dual antenna paths and is compatible with +1.8 V control logic. RF1255 is packaged in a compact 2.8mm x 3.6mm, 26-pin module package which allows for a small solution size with no need for external DC blocking capacitors when no external DC is applied to the device ports.

RF1255   Antenna Switch Module With Dual Antenna Paths

Optimum Technology Matching® Applied

☐ GaAs HBT	☐ SiGe BiCMOS	☐ GaAs pHEMT	☐ GaN HEMT
☐ GaAs MESFET	☐ Si BiCMOS	☑ Si CMOS	☐ RF MEMS
☐ InGaP HBT	☐ SiGe HBT	☐ Si BJT	☐ LDMOS

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**Please contact
RFMD Technical Support
at (336) 678-5570
for more information.**

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