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RF1295

SP12T ANTENNA SWITCH MODULE IDEAL FOR MULTI-BAND 3G AND LTE APPLICATIONS

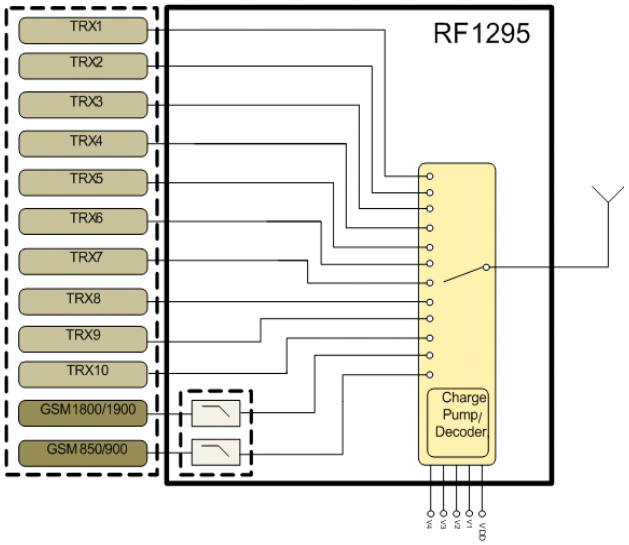
Package: 30-pin, 3.0mm x 3.8mm x 0.85mm

Features

- Excellent Insertion Loss and Isolation Performance
- Ten Linear Paths Offer Band Combination and Air Interface Flexibility
- Integrated Low Pass Filters on 2G Paths for Best In Class Harmonic attenuation
- Excellent Linearity Performance: B13-2fo, IIP2, IIP3 and TBR
- Very Low Current Consumption
- Broadband Performance Suitable for Multiple Air Standards
- GPIO Interface and Fully Spec Compliant with 1.35V Control
- Small Solution Size: Compact 3.0mm x 3.8mm x 0.85mm, 30-pin Package

Applications

- Cellular Handsets
- Cellular Modems and USB Devices
- LTE, WCDMA, CDMA, Multi-Mode GSM, EDGE, and TDSCDMA



Functional Block Diagram

Product Description

The RF1295 is a SP12T Antenna Switch Module (ASM) which offers very low insertion loss along with excellent linearity performance. The RF1295 is ideal for multi-mode GSM, EDGE, UMTS, and LTE handset applications. This module integrates low pass filtering on the GSM transmit paths thus avoiding the need for external harmonic attenuation. The RF1295 is controlled by a GPIO interface and is packaged in a compact 3.0 mm x 3.8 mm, 30-pin module. No DC blocking capacitors are required on RF paths unless DC is present externally

Ordering Information

RF1295	SP12T Antenna Switching Module
RF1295PCBA-410	Fully Assembled Evaluation Board

Optimum Technology Matching® Applied

☐ GaAs HBT	☐ SiGe BiCMOS	☐ GaAs pHEMT	☐ GaN HEMT
☐ GaAs MESFET	☐ Si BiCMOS	☑ Si CMOS	☐ BiFET HBT
☐ InGaP HBT	☐ SiGe HBT	☐ Si BJT	

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