

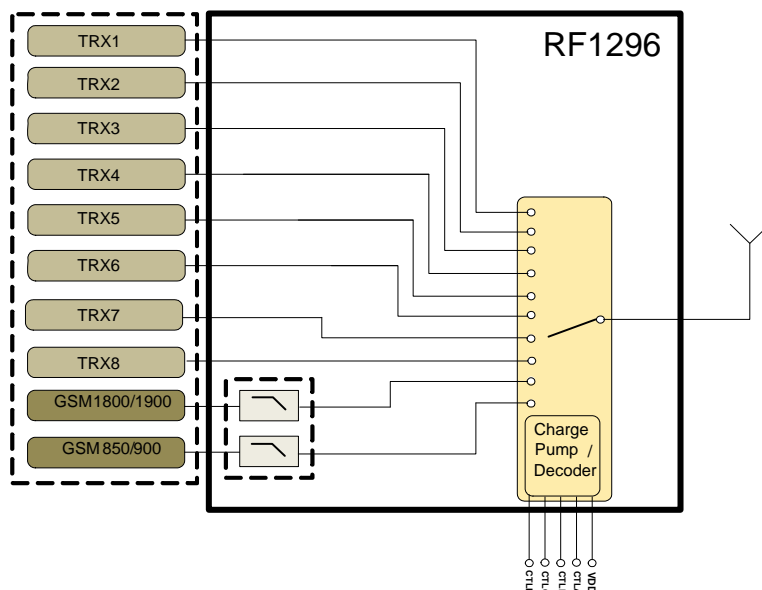


Features

- Excellent insertion loss and isolation performance
- Eight 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, B17-3fo, IIP2, IIP3 & TBR
- Broadband performance suitable for multiple air-standards
- GPIO interface and fully spec compliant with 1.35V control
- Small Solution Size: Compact 2.6mm x 3.4mm x 0.55mm, 26 pin package
- Excellent ESD Performance

Applications

- Cellular Handsets
- Cellular Modems and USB devices
- LTE, WCDMA, CDMA, Multi-mode GSM, Edge, and TDSCDMA



Functional Block Diagram

Product Description

The RF1296 is a SP10T Antenna Switch Module (ASM) which offers very low insertion loss along with excellent linearity performance. The RF1296 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 RF1296 is controlled by a GPIO interface and is packaged in a compact 2.6mm x 3.4mm, 26-pin module. No DC blocking capacitors are required on RF paths unless DC is present externally.

Ordering Information

RF1296	SP10T Antenna Switch Module
RF1296PCBA-410	Fully Assembled Evaluation Board

Optimum Technology Matching® Applied

<input type="checkbox"/> GaAs HBT	<input type="checkbox"/> SiGe BiCMOS	<input type="checkbox"/> GaAs pHEMT	<input type="checkbox"/> GaN HEMT
<input type="checkbox"/> GaAs MESFET	<input type="checkbox"/> Si BiCMOS	<input checked="" type="checkbox"/> Si CMOS	<input type="checkbox"/> RF MEMS
<input type="checkbox"/> InGaP HBT	<input type="checkbox"/> SiGe HBT	<input type="checkbox"/> Si BJT	<input type="checkbox"/> LDMOS

**Please contact
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for more information.**