rfmd.com

### **RF1291**

# SWITCH FILTER MODULE WITH EIGHT LINEAR 3G/4G PATHS

Package Style: 20-pin, 3.2 mm x 3.2 mm x 1.0 mm



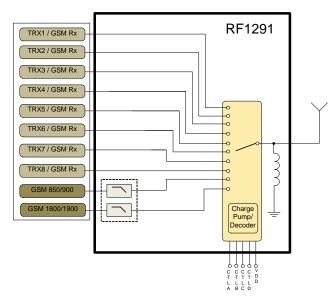


#### **Features**

- Excellent Insertion Loss and Isolation Performance
- Eight Linear Paths Offer Band Combination and Air Interface Flexibility
- Excellent GSM TX Harmonic Attenuation
- Integrated Antenna ESD Protection
- >2kV HBM ESD on all Paths
- Fully Spec Compliant at 1.3V Control Voltage
- Broadband Performance Suitable for all Cellular Modulation Schemes up to 3GHz
- Very Low Current Consumption
- Compact 3.2mmx3.2mmx1.0mm(typ) Laminate Module
- Very High Linearity and Excellent Harmonic Performance, Ideally Suited for LTE Applications.

### **Applications**

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



Functional Block Diagram

### **Product Description**

The RF1291 Antenna Switch Module offers very low insertion loss along with excellent linearity performance. The RF1291 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 RF1291 is compatible with +1.8 V control logic and is packaged in a compact 3.2 mm x 3.2 mm, 20-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.

#### **Ordering Information**

RF1291 SP10T Antenna Switching Module

Optimum	Technology	<b>Matching®</b>	Applied

☐ GaAs HBT	☐ SiGe BiCMOS	☐ GaAs pHEMT	☐ GaN HEM
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.