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### **RF7182D** DUAL-BAND TX, DUAL-BAND RX GSM,

## GPRS TRANSMIT MODULE

#### Package Style: Module 6.63mm x 5.24mm x 1.0mm

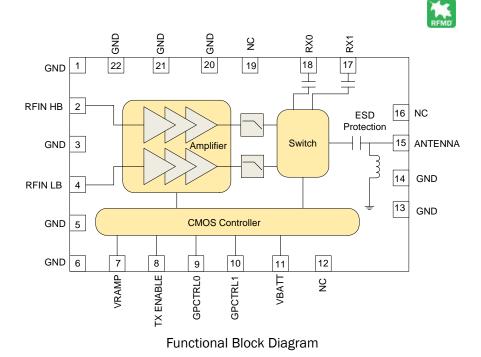


#### Features

- Enhanced Performance Transmit Module
- No External Routing
- High Efficiency at rated P<sub>OUT</sub> V<sub>BATT</sub> = 3.5V EGSM900 40% DCS1800 36%
- 8kV Robust ESD Protection at Antenna Port
- Low Rx Insertion Loss
- Symmetrical Rx Ports
- OdBm to 6dBm Drive Level, > 50dB of Dynamic Range
- Integrated Power Flattening Circuit

#### **Applications**

- 3V Dual-Band GSM/GPRS Handsets
- EGSM900/DCS1800 Products
- GPRS Class 12 Compliant
- Portable Battery-Powered Equipment



#### **Product Description**

The RF7182D is a dual band (EGSM900/DCS1800) GSM/GPRS Class 12 compliant transmit module with two symmetrical receive ports. This transmit module builds upon RFMD's leading power amplifier with PowerStar<sup>®</sup> integrated power control technology, pHEMT switch technology, and integrated transmit filtering for bestin-class harmonic performance. The results are high performance, a reduced solution size, and ease of implementation. The device is designed for use as the final portion of the transmitter section in a GSM900/DCS1800 handset and eliminates the need for PA-to-antenna switch module matching network.

The RF7182D features RFMD's latest integrated power-flattening circuit, which significantly reduces current and power variation into load mismatch. The RF7182D also integrates an ESD filter to provide excellent ESD protection at the antenna port. The RF7182D is designed to provide maximum efficiency at rated  $P_{OUT}$ .

RF7182DDual-Band TX, Dual-Band RX GSM, GPRS Transmit ModuleRF7182DSBTransmit Module 5-Piece Sample PackRF7182DPCBA-41XFully Assembled Evaluation Board

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🗹 GaAs HBT	SiGe BiCMOS	🗹 GaAs p
GaAs MESFET	Si BiCMOS	Si CMC
🗌 InGaP HBT	SiGe HBT	🗌 Si BJT

1) B32-678-5570 or customerspryice@rfmd.

pHEMT ☐ GaN HEMT OS ☐ BiFET HBT ☐ LDMOS

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# **RF7182D**



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

