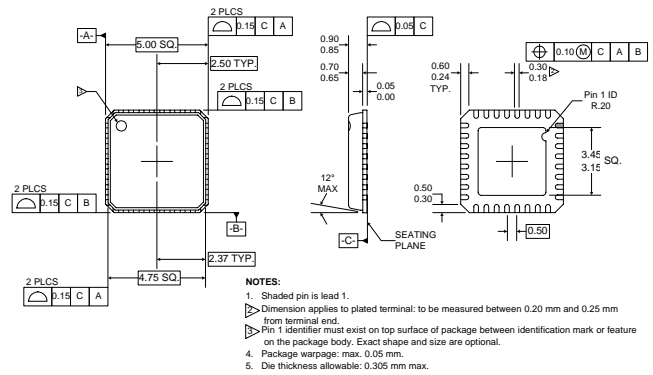


Typical Applications

- EGSM/DCS Handsets
- EGSM/DCS/PCS Handsets
- GSM850/PCS Handsets
- GSM850/EGSM/DCS/PCS Handsets

Product Description

The RF2710 is a highly-integrated receiver IC supporting GSM, GPRS, and EDGE cellular standards in the GSM850, EGSM, DCS, and PCS bands. The RF2710, RF6001 (synthesizer/digital filter) and RF3140 PA module constitute RFMD's low-cost GSM transceiver solution. RF2710 employs very-low intermediate frequency (VLIF) receiver architecture, reducing external component count and eliminating the need for IF SAW and RF interstage filters without compromising performance. The IC includes: four LNA's for multi-band support; an integrated voltage controlled oscillator (VCO); automatic gain control (AGC); and, a quadrature downconverting mixer. Active band-pass filters at the VLIF provide image and interference rejection. Chip functionality, including IF AGC setting, is controlled through a three-wire serial data interface (SDI).



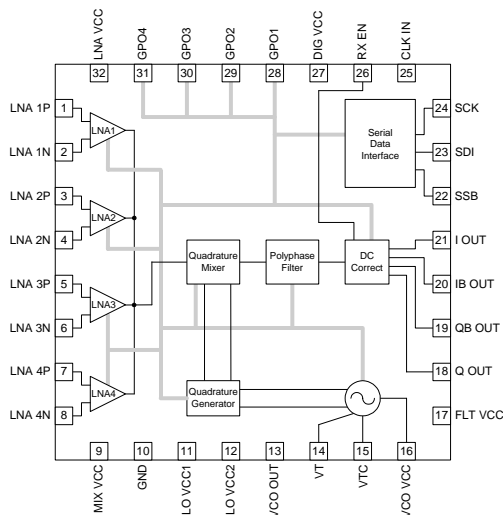
Optimum Technology Matching® Applied

- | | | |
|-------------------------------------|-----------------------------------|--|
| <input type="checkbox"/> Si BJT | <input type="checkbox"/> GaAs HBT | <input type="checkbox"/> GaAs MESFET |
| <input type="checkbox"/> Si Bi-CMOS | <input type="checkbox"/> SiGe HBT | <input type="checkbox"/> Si CMOS |
| <input type="checkbox"/> InGaP/HBT | <input type="checkbox"/> GaN HEMT | <input checked="" type="checkbox"/> SiGe Bi-CMOS |

Package Style: QFN, 32-Pin, 5x5

Features

- GSM850, EGSM, PCS & DCS Operation
- Very-Low IF Architecture Eliminates IF SAW and RF Interstage Filters
- Integrated RF VCO
- Integrated LNA's support up to four RF bands



Functional Block Diagram

Ordering Information

RF2710 Very Low IF Receiver for GSM/GPRS/EDGE
 RF2710 PCBA Fully Assembled Evaluation Board

RF Micro Devices, Inc.
 7628 Thorndike Road
 Greensboro, NC 27409, USA

Tel (336) 664 1233
 Fax (336) 664 0454
<http://www.rfmd.com>

*Please contact
RF Micro Devices
Applications Engineering
at (336) 678-5570
for more information.*