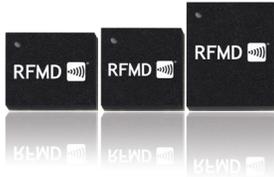


RFMD[®]

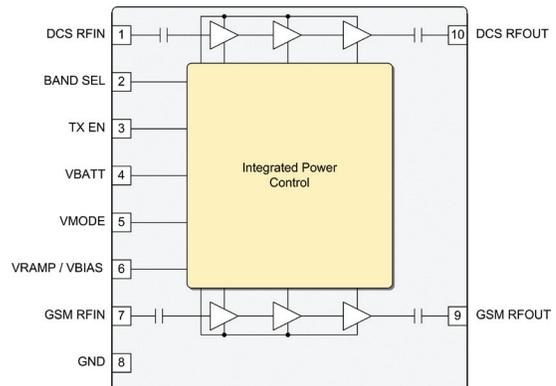
3G Product Portfolio: GPRS / EDGE Power Amplifier Components



Designed for use as the last portion of the multimode handset's transmit chain in GSM/Linear EDGE architectures that require WCDMA pass-through ports, each of these components is a high-efficiency TxM with integrated power control, switch, and GSM/EDGE transmit harmonic filtering. A self-contained device, the GPRS/EDGE power amplifier component features 50-ohm input and output terminals, and requires no external matching circuits, contributing to an ultra-compact front end design.

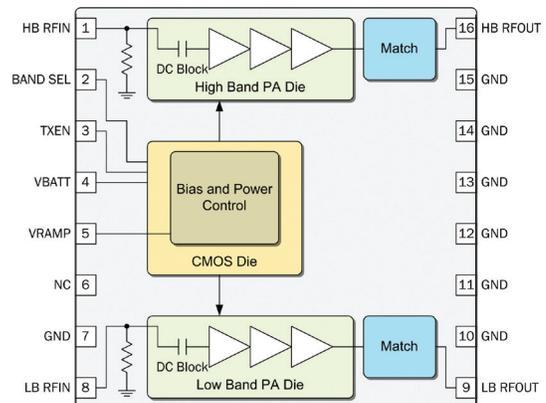
RF3189 Linear EDGE / RF3183 GPRS

- Integrated power flattening circuit
- Reduced power and current variation into mismatch
- Integrated power control
- Compact module: 5.0 x 5.0 x 1.0 mm



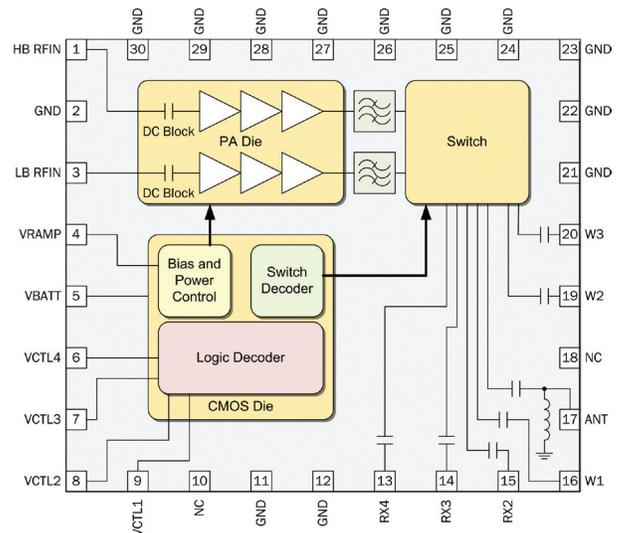
RF3225 Quad-band GSM / LSPM EDGE PA Module

- 2.6 A current limiter for power flatness and current performance into VSWR
- Excellent power margin (>35.5 dBm GSM900)
- GMSK efficiency: GSM900 – 55% at P_{MAX}, PCS1900 – 50% at P_{MAX}
- Proven PowerStar[®] technology for high-volume manufacturing
- Compact module: 5.0 x 5.0 x 1.0 mm



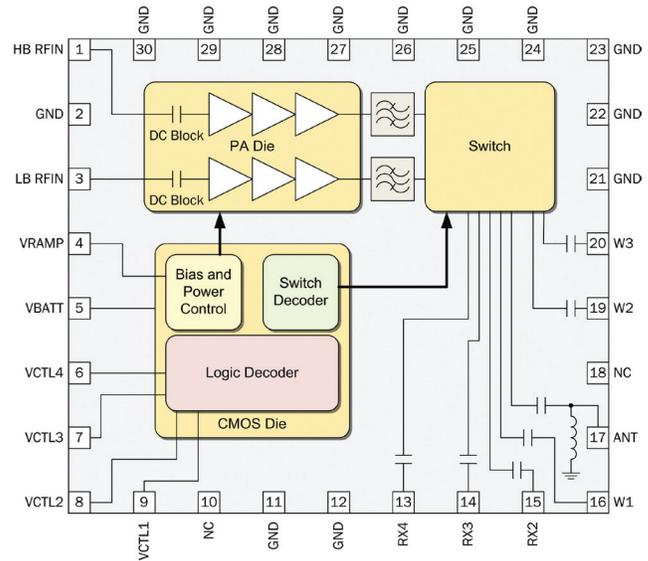
RF3171 Quad-band GMSK Polar EDGE Transmit Module

- Two high-linearity UMTS TRx ports for single and dual-band multi mode applications
- Switch performance including
- UMTS port-to-port isolation (>23 dB typ.)
- IMD (<-101 dBm max.)
- WB insertion loss (0.7LB, 1.1 HB max.)
- Low variation into VSWR (power, current, harmonics)
- Excellent harmonics margin to 3 GPP specifications
- Integrated 2.5 A current limiter
- 6.0 x 7.0 x 1.0 mm module with integrated DC blocking and optimized PA / switch interface



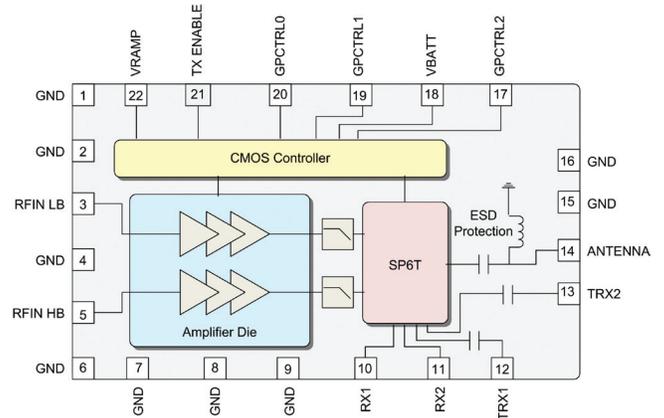
RF3230 Quad-band GSM / GPRS Transmit Module

- Two high-linearity UMTS TRx ports for single and dual-band multi mode applications
- Switch performance including
- UMTS port-to-port isolation (>23 dB typ.)
- IMD (<-101 dBm max.)
- WB insertion loss (0.7LB, 1.1 HB max.)
- Low variation into VSWR (power, current, harmonics)
- Excellent harmonics margin to 3 GPP specifications
- Integrated 2.5 A current limiter
- 6.0 x 7.0 x 1.0 mm module with integrated DC blocking and optimized PA / switch interface



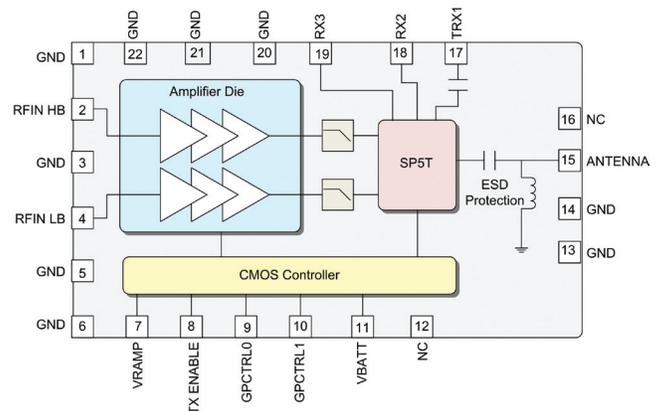
RF3232 Quad-band GSM / GPRS Transmit Module

- Two high-linearity UMTS TRx ports
- Interchangeable dual-band GSM Rx ports for single and dual-band multimode applications
- Best-in-class solution size – 6.6 x 5.2 x 1.0 mm
- High efficiency (44% typ.)
- Low WB insertion loss (0.8 dB typ.)
- Low power and current variation into VSWR



RF3231 Quad-band GSM / GPRS Transmit Module

- One high-linearity UMTS TRx port
- Interchangeable dual-band GSM Rx ports for single-band multimode applications
- Best-in-class solution size – 6.6 x 5.2 x 1.0 mm
- High efficiency (44% typ.)
- Low WB insertion loss (0.8 dB typ.)
- Low power and current variation into VSWR



Order RFMD products online at www.rfmd.com/rfmdExpress.

For sales or technical support, contact your authorized local sales representative (see www.rfmd.com/globalsales).

Register to receive RFMD's latest product releases with our Email Component Alerts at www.rfmd.com/emailalert.

7628 Thorndike Rd., Greensboro, NC 27409-9421 USA • Phone 336.664.1233



These products comply with RFMD's green packaging standards.

RFMD® is a trademark of RFMD, LLC. All other trade names, trademarks and registered trademarks are the property of their respective owners. ©2010 RFMD.

CPG.GPRS_EDGE.0210.20



rfmd.com