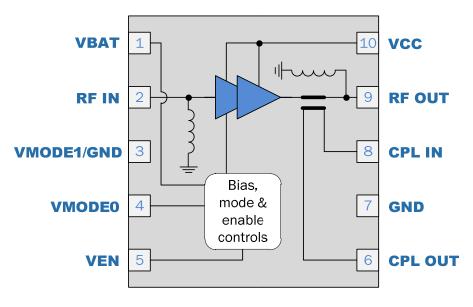


## RF3514 3V W-CDMA SINGLE-BAND POWER AMPLIFIER MODULE

The RF3514 single-band linear power amplifier supports B4 (1710-1755MHz) in 3.4V,  $50\Omega$  mobile equipment designed for 3G UMTS transmit. RF3514 meets the spectral linearity requirements of HSDPA, HSUPA and HSPA+ with high power added efficiency. Two digital control pins selects high, medium or low power modes to optimize performance and current drain at different power levels. RF3514 integrates a directional coupler that eliminates the need for an external discrete coupler.



Functional Block Diagram

### **Ordering Information**

-	
RF3514	3V W-CDMA Band 4 PA Module
RF3514SB	5 Piece Sample Bag + 3514-410 PCBA
RF3514SQ	25 Piece Sample Bag
RF3514SR	100 Piece 7" Reel
RF3514TR7	2500 Piece 7" Reel
RF3514TR7X	7" tape and reel, non-standard quantity only
RF3514PCBA-410	Fully Assembled Evaluation Board



# Package: Module, 10-pin, 2.0mm x 2.5mm x 0.9mm

#### **Features**

- Band 4 Operation
- HSDPA/HSUPA/HSPA+
- Linear Output Power to 27.5 dBm
- High Efficiency 40% at 27.5 dBm
- 3 Power Mode Operation
- Integrated Power Coupler
- No External DC Block Needed
- Digital Control Interface
- Ultra Small and Low Profile Package

### **Applications**

 WCDMA/HSPDA/HSUPA/HSPA+ Wireless Handsets and Data Cards

DS140507

RF Micro Devices Inc. 7628 Thorndike Road, Greensboro, NC 27409-9421

For sales or technical support, contact RFMD at +1.336.678.5570 or customerservice@rfmd.com.

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