

Preliminary

rfmd.com

# **RF5263** 3.3V TO 5.0V, 2.5GHz LINEAR POWER AMPLIFIER

Pb-Free Product Package Style: QFN, 16-Pin, 4 x 4

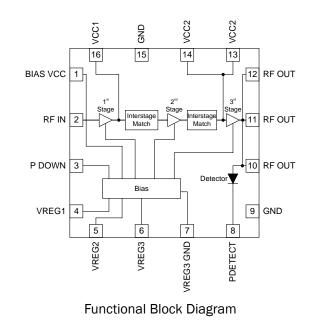


### **Features**

- Single 3.3V or 5.0V Power Supply
- 34dB Small Signal Gain (typ.)
- <2% EVM (RMS) 54 Mbps @ +26dBm
- Separate Power Detect/Power Down Pins
- Multiple Frequency Ranges

### **Applications**

- 802.11b/g/n Access Points
- PCS Communication Systems
- 2.4GHz ISM Band Applications
- Commercial and Consumer Systems
- WiBro 2.3GHz to 2.4GHz Band Applications
- WiMAX 2.5 GHz to 2.7 GHz Band Applications



## Product Description

The RF5263 is a linear power amplifier IC designed specifically for medium power applications. The device is manufactured on an advanced InGaP Heterojunction Bipolar Transistor (HBT) process, and has been designed for use as the final RF amplifier in 802.11g/n access point transmitters. The device is provided in a 4mmx4mm, 16-pin, leadless chip carrier with a backside ground. The RF5263 is designed to maintain linearity over a wide range of supply voltages and power outputs.

#### **Ordering Information**

RF5263 3.3V to 5.0V, 2.5GHz Linear Power Amplifier, Matte-Sn (Pbfree) Finish

RF5263WLPCK-410 2.4-2.5 GHz WLAN Fully Assembled Eval PCB RF5263WBPCK-410 2.3-2.4 GHz WiBro Fully Assembled Eval PCB RF5263WMPCK-410 2.5-2.7 GHz WiMAX Fully Assembled Eval PCB

Optimum Technology Matching® Applied			
GaAs HBT	□ SiGe BiCMOS	GaAs pHEMT	🗌 GaN HEMT
☐ GaAs MESFE1 ☑ InGaP HBT	Si BiCMOS	🗌 Si CMOS	
InGaP HBT	SiGe HBT	🗌 Si BJT	

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7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical support, contact RFMD at (+1) 336-678-5570 or sales-support@rfmd.com.

WIRELESS LAN PRODUCTS



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