

RFMD®

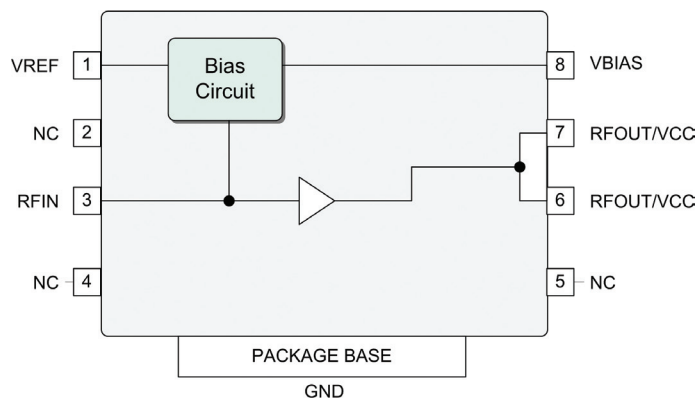
RFPA380x

Linear Power Amplifier Portfolio



The RFPA380x family of GaAs HBT linear power amplifiers achieves high OIP3 with low bias current over a range of supply voltages from 3.6 to 7.0 volts. These devices are ideally suited for linear driver applications employing high peak-to-average ratio (PAR) modulation. The low noise figure, less than 4 dB, also makes them well suited for second- or third-stage low noise amplifiers for high-performance designs. With simple external matching, the RFPA380x devices can achieve good performance over a range of frequencies from 150 to 2700 MHz. The devices come in plastic SOIC-8 packages.

Freq Range (MHz)	Noise Figure	SS Gain (dB)	OIP3 (dBm)	P1dB (dBm)	V _{CC} (V)	Part Number
450	4.5	18.4	48.0	33.5	5.0	RFPA3800
450	4.5	18.0	48.0	36.5	7.0	RFPA3800
900	4.0	14.2	49.0	33.0	5.0	RFPA3800
900	4.0	13.8	49.0	36.0	7.0	RFPA3800
900	3.0	15.5	46.0	24.0	5.0	RFPA3807
1800	3.1	14.5	46.0	24.0	5.0	RFPA3807
2600	3.2	12.5	43.0	24.0	5.0	RFPA3807
900	3.5	16.5	48.0	30.0	5.0	RFPA3809
1800	3.5	13.5	48.0	30.0	5.0	RFPA3809
2600	3.5	9.7	45.0	30.0	5.0	RFPA3809



FEATURES

- High IP3 with low noise figures
- Low-current power-down function
- Low noise figure for later-stage LNA applications
- Adjustable bias current
- Flexible supply voltages from 3.6 to 7.0 volts

Order RFMD products online at <http://rfmd.com/4c3b>.

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.

MPG.Linear PA Portfolio.1210.200



rfmd.com