

RFMD®

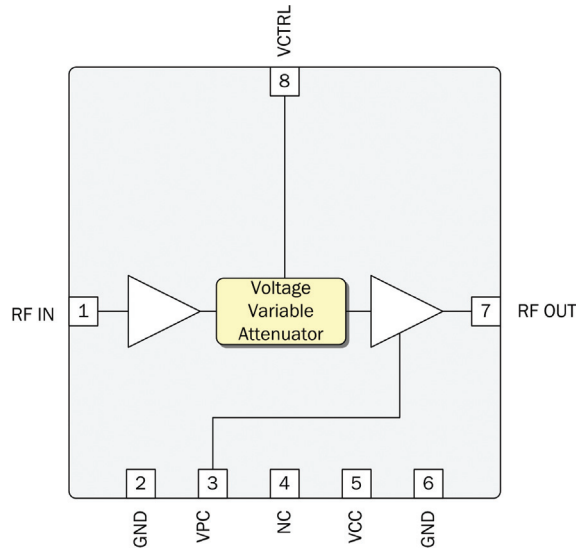
RVAx007/RFVxxx7

Analog-Controlled Variable Gain Amplifier Portfolio



RFMD's family of high linearity analog-controlled variable gain amplifiers (VGAs) is ideal for cellular base stations and other communications systems requiring high linearity. The products support cellular, 3G, WiMAX, and LTE air interface standards. The analog VGAs are internally matched to 50Ω and operate from a single 5V supply. All devices are packaged in a 7.0 x 7.0mm laminate multi-chip module (MCM) package.

Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Gain Range (Min) (dB)	Gain (dB)	<i>P_{OUT}</i> at Rated ACPR (dBm)	OIP3 (dBm)	ACPR (dBc)	V _{CC} (V)	I _{CC} (mA)	Package	Part Number
680	810	20.0	24.5	10.0	43.5	-64.0	5.0	460.0	7.0 x 7.0 MCM	RVA1007L
731	881	20.0	24.0	10.0	42.0	-65.0	5.0	460.0	7.0 x 7.0 MCM	RFVA1027
1425	1550	20.0	27.0	12.0	42.0	-64.0	5.0	460.0	7.0 x 7.0 MCM	RFVA1017
1750	2250	20.0	24.5	12.0	45.0	-66.0	5.0	460.0	7.0 x 7.0 MCM	RVA2007L
2260	2440	20.0	24.0	12.0	44.0	-66.0	5.0	460.0	7.0 x 7.0 MCM	RFVA2017
2440	2750	20.0	28.0	12.0	45.0	-64.0	5.0	410.0	7.0 x 7.0 MCM	RVA3007L



FEATURES

- High linearity, > +40dBm OIP3
- High power, +28dBm P1dB
- Gain range: >20dB
- Control voltage, 0.0 to 3.3V
- Single +5V supply
- Small, 7.0 x 7.0mm, MCM

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