

RFMD®

RDAxxxx/RFDAxxxx

Digitally Controlled Variable Gain Amplifier Portfolio



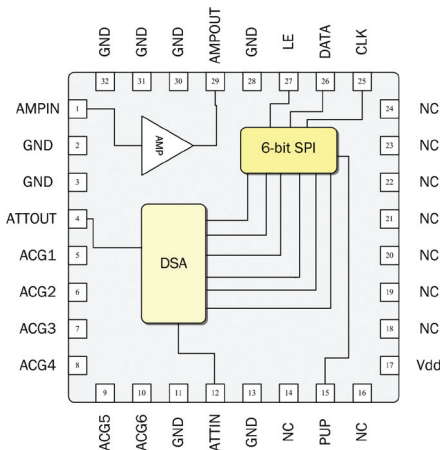
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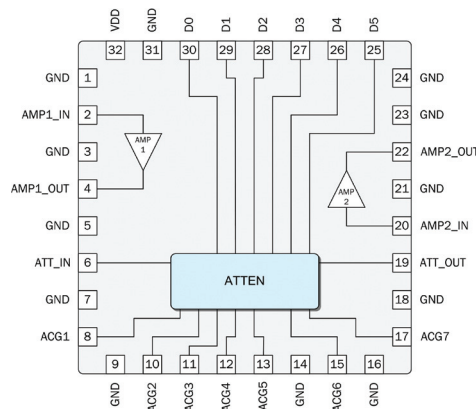
RFMD® delivers a family of 6-bit, digital-controlled, variable gain amplifiers (VGAs) with excellent step accuracy, low DC current, and high IP3. Each VGA has 31.5dB gain range with a 0.5dB step resolution. Both serial- and parallel-controlled versions are available. Products are housed in both 5 x 5mm and 6 x 6mm laminate modules that are footprint compatible with QFNs.

Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Number of Bits	Gain (dB)	Step Size (dB)	P1dB (dBm)	OIP3 (dBm)	Interface	Vcc (V)	Package (mm)	Part Number
10	850	6	43.0	0.5	19.5	38.0	serial	5.0	5 x 5 MCM	RFDA0045
50	850	6	18.7	0.5	20.0	42.0	serial	5.0	5 x 5 MCM	RFDA0025
50	850	6	18.7	0.5	20.0	42.0	parallel	5.0	5 x 5 MCM	RFDA0015
50	4000	6	17.5	0.5	19.0	36.0	serial	5.0	5 x 5 MCM	RDA1005L
50	1000	6	38.5	0.5	19.7	42.0	serial	5.0	6 x 6 MCM	RFDA0016
50	1000	6	38.8	0.5	20.0	42.0	parallel	5.0	5 x 5 MCM	RDA2032Z
500	2500	6	11.5	0.5	25.0	43.0	serial	5.0	5 x 5 MCM	RFDA2025
500	2500	6	11.5	0.5	25.0	43.0	parallel	5.0	5 x 5 MCM	RFDA2015
850	1035	6	31.5	0.5	23.8	40.0	serial	5.0	6 x 6 MCM	RFDA0026
1800	2400	6	32.0	0.5	25.0	42.0	serial	5.0	6 x 6 MCM	RFDA2026
2000	2800	6	31.5	0.5	28.0	41.0	serial	5.0	6 x 6 MCM	RFDA2046

RDA1005L



RDA2032Z



FEATURES

- High linearity, OIP3 up to +43dBm
- Maximum gain up to 38dB
- Narrowband and wideband versions offered
- Both serial and parallel control available
- Single +5V supply
- Footprint compatible with QFN

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These products comply with RFMD's green packaging standards.

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