

Amplifier Gain Block

MMA142AA-Amplifier-Gain-Block ☆


Self-biased, 1 - 34 GHz, Die

Status: In Production.

 Documentation  Symbols

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The MMA142AA is a self-biased (GaAs) MMIC pHEMT, distributed amplifier die that operates between 1 GHz and 34 GHz. It is ideal for test instrumentation, defense, and space applications. The amplifier provides a 1 dB positive gain slope with a typical gain of 15 dB, 3 dB noise figure.GHz. It is ideal for test instrumentation, defense, and space applications. The amplifier provides a 1 dB positive gain slope with a typical gain of 15 dB, 3 dB noise figure, 16 dBm of output power at 1 dB gain compression, and 28 dBm output IP3 at 18 GHz

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Product Features

- Frequency range: 1 GHz to 34 GHz
- Gain: 14 dB with +0.5dB slope
- High Output IP3: 28 dBm at 18 GHz
- Low noise figure : 3 dB at 20 Ghz
- Self biased positive supply: 6 V, 70 mA
- 50 Ω matched I/O
- Compact die size: 3 mm × 1.35 mm × 0.1 mm

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RoHS Information

Product	ROHS	China EFUP	Material Declaration	Device Weight (g)	Shipping Weight (kg)	Package Width
MMA142AA				2.19E-4	0.12	2.02 x 1.41 x

1 of 1 results

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