

Qorvo QPA2212 20W GaN Power Amplifier

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Qorvo's QPA2212 is a Ka-band power amplifier that is fabricated on Qorvo's 0.15µm GaN on SiC process (QGaN15). This amplifier operates between 27.5GHz and 31GHz and also achieves 20W saturated output power. The QPA2212 amplifier is fully matched to 50Ω with integrated DC blocking caps on both I/O ports. This power amplifier is 100% DC and RF tested on-wafer to ensure compliance to electrical specifications. The QPA2212 power amplifier is ideally suited to support satellite communications and 5G infrastructure.



Features

- Excellent linear power for wideband communications systems
- Convenient flange mount package
- RoHS compliant and lead-free

Specifications

- 27.5GHz to 31GHz frequency range
- 20W output power
- 43dBm saturated power (P_{SAT})
- 10W linear power at 25dBc IMD3
- 33dB signal gain

Applications

- 5G infrastructure
- Satellite communications

Mouser Part Number(s)

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