

UK specialist in RF & Microwave Components, Sub-Systems & Test Solutions

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WWW.MELCOM.CO.UK

+44 (0)1932 565544

ALTUM RF

**ALTUM RF IS A EUROPEAN BASED FABLESS
MMIC MANUFACTURER PROVIDING HIGH
PERFORMANCE RF TO MILLIMETRE
SOLUTIONS**

- ITAR FREE
- FAST EXPANDING PRODUCT ROADMAP
- CUSTOM DESIGN AVAILABLE

NEW KA Band and E Band Amplifiers available soon, contact Melcom for further information

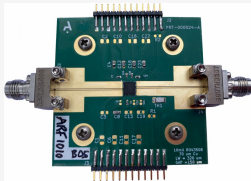
Using proven technologies such as GaAs and GaN, Altum RF supply the following solutions:

- Low Noise Amplifiers
- Power Amplifiers
- Driver Amplifiers
- Bare Die Amplifiers
- GaAs FET MMIC Switches
- Phase Shifters
- S and X Band Radar Components
- Commercial 5G Applications

NEW Range of Distributed, Power & LNA/Driver Amplifiers

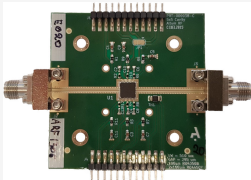
- These GaAs and GaN Amplifiers are designed for high efficiency & RF performance

ARF1010Q4
(22-30 GHz) Linear Amplifier



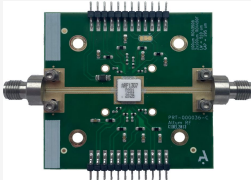
- Designed for high data-rate applications between 22 and 30 GHz.
- **With 28 dB of linear gain, and 38 dBm OIP3 at POUT = 20 dBm.**
- Linear matched 50 Ω Amplifier housed in a 4 x 4 mm QFN package.
- Well suited to demanding, high-order modulation schemes such as VSAT, ISM 24 GHz and millimetre-wave 5G.
- Demo Board available.

ARF1306C5
(2-18 GHz) Distributed Amplifier



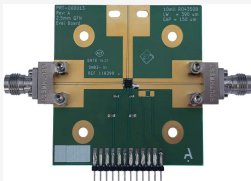
- GaN 2-18 GHz Distributed Amplifier matched to 50 Ω with the RF ports AC coupled.
- **With greater than 2 watts of output power and 15 dB of linear gain.**
- Housed in an air-cavity ceramic package and designed for high bandwidth applications.
- Well suited for Test & Measurement, Aerospace and Defence applications.
- Demo Board available.

ARF1307C7
(2 -20 GHz) Distributed Power Amplifier



- Packaged GaN Distributed Amplifier operating over the band 2-20 GHz
- **Provides 17 dB small signal gain, 10 W saturated output power with 11 dB of power gain and >20% power added efficiency.**
- Typical applications include Test & Measurement equipment, EW and Commercial or Defence systems.
- Robust, lead-free and RoHS-compliant 7 x 7 mm ceramic QFN package with excellent thermal and electrical properties.
- Demo Board available.

ARF1201Q2
(17- 31.5 GHz) Low Noise Amplifier



- Low Noise Amplifier/Driver Amplifier designed for high data-rate applications.
- Designed to operate over the band 17-31.5 GHz
- **20 dB of linear gain, 2.6 dB noise figure.**
- 2.5 x 2.5 QFN package, single positive bias (3.3 V).
- Well suited to demanding, high-order modulation schemes such as VSAT, ISM 24 GHz and millimetre wave 5G.
- Demo Board available.

Altum RF Announces Two-Year Contract with ESA for GaN..

Altum RF announced a two-year contract with European Space Agency (ESA) under the ARTES Advanced Technology programme to design and develop GaN Ka-Band high-power amplifiers for very small aperture terminals (VSATs). Starting in January 2021, the ...

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Contact Melcom - for detailed specification, pricing & availability

Melcom Electronics Ltd | +44(0)1932 565544 | WWW.MELCOM.CO.UK

