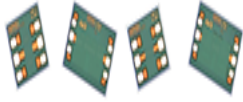




Amplitech Products & RF Design Services at CDI



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Description

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Amplitech Products & RF Design Services at CDI



Amplitech specializes in providing full RF design, verification, and modeling services for custom MMICs, RF modules, packages, and boards. In addition to their design services, Amplitech offers a range of off-the-shelf MMICs. Their resources are dedicated to ensuring swift and successful RF and MMIC designs, encompassing:

- Linear and Nonlinear Circuit Simulation
- Full 3D Planar and Finite Element EM
- Thermal Simulation Capability
- Test Equipment for S-Parameter, Noise, and Power Measurements up to 50 GHz
- MMIC and RF Board Layout
- Board and Package Assembly resources

Amplitech is committed to delivering off-the-shelf bare die and packaged parts with a focus on achieving the lowest noise figure and power dissipation for various functions, including:

- LNAs
- Attenuators
- Gain Blocks
- MMIC Filters
- Drivers
- Switches
- MPAs
- TFN Transitions

Featured Amplitech Low Noise Amplifiers:

| Part # | Frequency (GHz) | Gain (dB) | NF (dB) | Bias Voltage (V) |
|---------------|-----------------|-----------|---------|------------------|
| AGLNA0108047 | 2-4 | 34.5 | 0.6 | 4 |
| AGLNA0108047Q | 2-4 | 34.5 | 0.7 | 4 |
| AGLNA035082 | 4-8 | 26.5 | 0.9 | 5.0 |

Featured Amplitech Medium Power Amplifier:

| Part # | Frequency (GHz) | Gain (dB) | PAE (%) | Bias Voltage (V) |
|--------|-----------------|-----------|---------|------------------|
|--------|-----------------|-----------|---------|------------------|

| | | | | |
|-------------|-------|----|----|----|
| AGMPA165215 | 17-20 | 20 | 30 | 28 |
|-------------|-------|----|----|----|

For any inquiries or further information, please do not hesitate to reach out to CDI. We look forward to the opportunity to support your RF & Microwave needs.

Request a Quote

CDI works continuously with our vendor partners to connect our customers to products and solutions that accelerate their time to market. CDI will leverage its product knowledge, technical expertise, and evaluation tools to find the right solution for your design. For more information, or to learn how we can help drive your success, please visit [rf.cdiweb.com](#) or email us at sales@cdiweb.com.

About Amplitech

Amplitech was founded to fill a crucial void: the demand for hyper-efficient, ultra-reliable radio frequency (RF) devices that enable next-gen technologies like 5G/6G, Quantum Computing, LEO Satellite Communications, and AR/VR.

About Component Distributors, Inc. (CDI)

Component Distributors, Inc. (CDI) is a value-added distributor of high-performance LED, Power, RF & Microwave, Wireless and Sensor component technologies. CDI distributes globally and provides local application support and customer service across the Americas.

Component Distributors, Inc. (CDI)
Email: sales@cdiweb.com Toll-Free: 1-800-777-7334

Category

- 1. AmpliTech Group Inc.
- 2. Ewave
- 3. RF-Microwave

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