



DESIGNING AMPLIFIERS?

MELCOM SUPPLY WORLD LEADING RF & mmW AMPLIFIER COMPONENTS



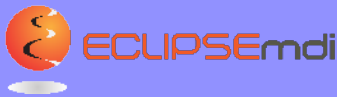
- GaN on Silicon Carbide Power Amplifiers

- DC - 40 GHz
- Output Power to 80 W
- Flange & DIE Options Available
- Gate Length Process 0.15 μ m
- Foundry Services



- Power Amplifiers
- Distributed Amplifiers
- Low Noise Amplifiers

- DC 100 GHz, GaAs upto 4 W, GaN 5-30 W
- DC to 40 GHz, Output Power to +28 dBm
- Noise figure 2.5 dB
- ITAR Free



- Low Noise Amplifiers
- Driver Amplifiers
- Amplifier Modules

- DC to 40 GHz, Typical Noise Figure 2.0 dB
- From DC to 24 GHz, Output Power +21.0 dBm
- DC to 20 GHz, Broadband Frequency Response



- Low Noise Amplifiers
- Power Amplifiers
- Broadband Amplifiers
- Benchtop Amplifiers

- 18 to 170 GHz, Noise Figure 2.5 dB
- 17 to 110 GHz, Output Power up to +38 dBm
- DC to 65 GHz, Output Power to +30 dBm
- From 18 to 170 GHz, Output Power +35 dBm



- Directional Couplers
- Combiners/Dividers
- 90° & 180° Hybrids

- High Power From 5 W to 100 kW CW
- Frequency Range DC to 10 GHz
- SMT & Coaxial Options



- Conical Inductors
- Coil Inductors
- Spiral Inductors

- Broadband to 67 GHz
- Fixed & Tuneable
- Up to 17 GHz
- QPL Availability



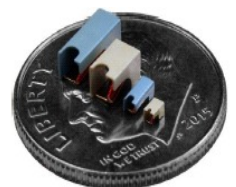
- Attenuators, Resistors, Terminations
- SMT, Flange, Coaxial
- AlN, BeO & CVD Diamond Substrates

- DC to 40 GHz
- Power Handling to 2 Kw
- Temp Range -55°C to +150°C



- Thermal/EMI Solutions
- Form-In Place Gaskets
- Metallised Plastics
- Heatsink Solutions
- Thermal Materials

- Provides size & weight advantage with increased PCB area
- Free of Charge Thermal Analysis to support your design development



MELCOM PROVIDES THE SOLUTION

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