









 <p>New 500-6000 MHz Hybrid Coupler</p> <ul style="list-style-type: none"> - 90° Hybrid Coupler - - 150 W CW - 	 <p>New Expanded Line Of Solderless Vertical Launch Connectors</p> <ul style="list-style-type: none"> - 1.0mm (W) DC to 110 GHz - - 1.85mm (V) DC to 67 GHz - - 2.92mm (K) DC to 40 GHz - - Reduce board footprint - - For Microstrip or Grounded Coplanar Waveguide designs - 	 <p>Leading Supplier of RF, Microwave Laminates and Substrates</p> <ul style="list-style-type: none"> - CuFlon, excellent for producing Amplifiers & Couplers - - NorCLAD, excellent for GPS Receivers & WLAN Router Antennas - - Polyguide, excellent for producing commercial Antennas, Couplers & Microwave products -
 <p>New M Series VNAs to 18 GHz</p> <ul style="list-style-type: none"> - Metrology Grade performance - - Dynamic range 130 dB - - Economical Package - 	 <p>GaAs MMIC Distribution Amplifier</p> <ul style="list-style-type: none"> - DC to 20 GHz GaAs - - Ideal for applications that requires a typical output of +30 dBm @ 10 GHz, while requiring only 300 mA from a +12 V supply - - Also available in a small connectorised package - 	 <p>Designing Amplifiers? Melcom Provides The Answer</p> 
 <p>Melcom Supply Test & Measurement Components For All RF/Microwave mmW Applications</p> 		

NEW PRODUCT NEWS MAY 2019



NEW 500-6000 MHz, 150 W CW, 2 WAY 90° HYBRID COUPLER

<p>QH11687</p>  <p>Click Here For Datasheet</p>	<ul style="list-style-type: none"> • Frequency: 500 - 6000 MHz • Power: 150 W CW • Insertion Loss: 0.75 dB Max • VSWR: 1.40:1 Max. • Phase Balance: $\pm 5^\circ$ Max • Amplitude Balance: <ul style="list-style-type: none"> • ± 1.0 dB Max. (500 - 600 MHz) • ± 0.75 dB Max. (600 - 6000 MHz) • Isolation: 17 dB Min • Operating Temp: -55°C to +85°C
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[Contact MELCOM](#) for detailed specification, pricing and availability

LEARN MORE ABOUT WERLATONE



NEW EXPANDED LINE OF SOLDERLESS VERTICAL LAUNCH CONNECTORS

1.0 mm (W) DC to 110 GHz VSWR 1.6:1 Max  Click Here For Further Information	1.85mm (V) DC to 67 GHz VSWR 1.25:1 Max  Click Here For Further Information	2.92 mm (K) DC to 40 GHz VSWR 1.15:1 Max  Click Here For Further Information
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Applicable for Microstrip or Grounded Coplanar Waveguide Designs

[Contact MELCOM](#) for detailed specification, pricing and availability

LEARN MORE ABOUT SOUTHWEST MICROWAVE



CRANE POLYFLON IS A LEADING SUPPLIER OF RF, MICROWAVE LAMINATES AND SUBSTRATES



- **CuFlon** features a pure PTFE dielectric that has been copper plated utilising Polyflon's proprietary process. The result is a substrate where performance cannot be equalled by any other substrates available at this time. It has extremely low moisture absorption, it is isotropic and has uniform electrical properties over frequency, **making it an excellent solution for producing amplifiers and couplers.**

[Click Here For Datasheet](#)

- **NorCLAD** - The unique properties of NorCLAD make it perfectly suited for use in microstrip patch antenna designs. NorCLAD has a low dielectric constant, low dissipation and good performance which makes it an excellent choice for GPS receiver and WLAN router antennas.

[Click Here For Datasheet](#)

- **Polyguide** - laminates are an excellent solution for producing commercial antennas, couplers and other microwave products where low loss is a critical requirement.

[Click Here For Datasheet](#)

[Contact MELCOM](#) for detailed specification, pricing and availability

LEARN MORE ABOUT CRANE POLYFLON

NEW M SERIES VNAs TO 18 GHz

The new M Series range delivers metrology grade performance in a more economical package that excludes the following advance features:

- Vector Mixer Calibration
- TRL Calibration
- Frequency Offset
- Time Domain
- Gating

M 5065 2-Port 6.5 GHz Analyser



[Click Here for Datasheet](#)

- Frequency range: 300 kHz to 6.5 GHz
- Measured parameters: S11, S21, S12, S22
- Sweep types: linear frequency, log frequency, segment, power sweep
- Dynamic range: 130 dB
- Measurement speed: 70 μ s
- Impedance: 50 Ohm

M 5090 2-Port 8.5 GHz Analyser



[Click Here for Datasheet](#)

- Frequency range: 300 kHz to 8.5 GHz
- Measured parameters: S11, S21, S12, S22
- Sweep types: linear frequency, log frequency, segment, power sweep
- Dynamic range: 130 dB
- Measurement speed: 70 μ s
- Impedance: 50 Ohm

M 5180 2 Port-18 GHz Analyser



[Click Here for Datasheet](#)

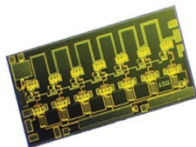
- Frequency range: 300 kHz to 18 GHz
- Measured parameters: S11, S21, S12, S22
- Sweep types: linear frequency, log frequency, segment, power sweep
- Dynamic range: 130 dB
- Measurement speed: 30 μ s
- Impedance: 50 Ohm

[Contact MELCOM](#) for detailed specification, pricing and availability

LEARN MORE ABOUT COPPER MOUNTAIN TECHNOLOGIES



ECLIPSE DC-20 GHz GaAs MMIC DISTRIBUTION AMPLIFIER (EMD1211-D)



[Click Here For Datasheet](#)

- 10dB Gain @ 10 GHz
- +30.0dBm Min. Psat Output Power @ 2 GHz
- +12V @ 300 mA Typical Supply Voltage
- Typical Return Loss (dB): 14-18dB
- Also available in a small connectorised package

[Contact MELCOM](#) for detailed specification, pricing and availability

LEARN MORE ABOUT ECLIPSE MDI



MELCOM SUPPLY TEST AND MEASUREMENT COMPONENTS FOR ALL RF / MICROWAVE & mmW APPLICATIONS



Melcom supplies the following products for Test and Measurement Applications

- Adaptors
- Antennas
- Attenuators
- Cables, Cable Assemblies & Connectors
- Connectorised Products
- Filters
- Isolators
- Power Splitters
- Switches
- Waveguide

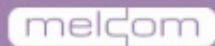


- ▶ Test and Measurement is a critical process step for validating product design and performance in both development and production environments.
- ▶ Frequency capability up to 220 GHz
- ▶ Power levels to 100 kW CW



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[Contact MELCOM](#) for detailed specification, pricing and availability



DESIGNING AMPLIFIERS? MELCOM SUPPLY WORLD LEADING PRODUCTS



World Class GaN
RF Power Devices

- DC - 40 GHz
- Power level 2 W - 1.2 kW
- GaN & SiC MOS
- Bare Die, Packaged Transistors & MMICs



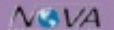
High Power SMT
Couplers & Combiners

- 90° & 180° Quadrature Hybrid Couplers
- High Power, Multi Octave Directional Couplers & Combiners



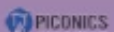
High Power
Attenuators, Resistors &
Terminations

- DC - 30 GHz
- up to 2000 W Power Capability



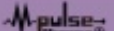
RF Circulators & Isolators

- 380 MHz to 20 GHz
- Drop-in, Surface Mount or Connectorised



SMT Broadband
Inductors

- Broadband Cerical
- Fixed & Tunable
- High Quality Microelectronic Coil Inductors
- RF & Microwave Air Coil & Spiral Inductors



Semiconductors

- PIN Limiter Diodes
- Detector Diodes
- Schottky Diodes
- Step Recovery Diodes



Thermal Solutions

- Thermal Interface Materials
- Environmental EMI Shielding
- Heatinks/Heatpipe Design & Supply



MELCOM PROVIDES THE SOLUTION

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