



### COVID-19 Statement



### New S Band GaN Products

- 25 W, DC - 6.0 GHz, GaN MMIC Power Amplifier -
- 2 W, DC - 6.0 GHz, GaN MMIC Power Amplifier -
- 60 W, 2.7 - 3.8 GHz, GaN MMIC, Power Amplifier -
- 500 W, 50 V, 2900 - 3500 MHz Thermally-Enhanced High Power RF GaN on SiC HEMT -
- 180 W, 50 V, 2700 - 3100 MHz Thermally-Enhanced High Power RF GaN on SiC HEMT -



### Sage Millimeter Now Trading As Eravant



### Holzworth Focus

- Phase Noise Analysers -
- Synthesisers -
- Phase Shifters -



### EPX Launch New Series Of Coaxial Switches & Suitable For High Power Applications

- N Connector Series that has a frequency range extending the usual DC to 12.4 GHz to DC to 18 GHz which are suitable for high power applications -



### Manufacturer Of Power Dividers, Quadrature Hybrid Couplers & Precision Adaptors

- 2, 4, 6, 8 & 16 Way Power Dividers up to 50 GHz -
- 90/180° to 50 GHz, 90 to 40 GHz, 180 to 50 GHz Quadrature Hybrid Couplers -



### New IC MMIC LNAs

- 2.0-20.0 GHz MMIC Low Noise Amplifier -
- DC-33 GHz MMIC Low Noise Amplifier -
- DC-40 GHz GaAs PHEMT MMIC Low Noise Amplifier -

## PRODUCT NEWS APRIL 2020



**MELCOM ELECTRONICS LTD – COVID19 UPDATE**

Dear Valued Customer,

Whilst we continue to monitor the rapidly changing situation, Melcom's Operations are continuing as normal.

We have implemented elements of our Business Continuity Plan whereby staff that can work from home are and we have the necessary staff at Melcom's Chertsey facility to ensure Goods In and Despatch continues as normal.

We are in regular communication with our Suppliers including our key Principals to keep advised of their Operational state. As relevant updates become available, we will be in touch through the normal communication channels.

Melcom remain committed to providing the best support to our Customers and during these unprecedented times feel that increased communication is the best method of managing expectations and effective planning in the backdrop of uncertainty. Please therefore keep in regular contact with our team on your operational situation if any changes that could affect the flow of Goods to you.

From all the Melcom team, we wish you and your colleagues the very best through this difficult period.

Yours sincerely,

John Melas

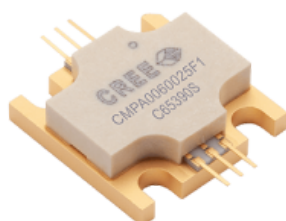
Sales & Marketing Director  
Melcom Electronics Ltd

[Contact MELCOM](#) for further information

**WOLFSPEED LAUNCH NEW GAN MMICS**

**UK Stock available on all new releases**

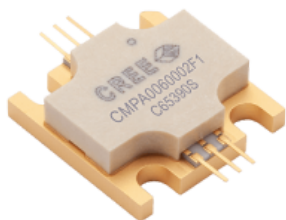
**CMPA0060025F1**  
(25 W, DC - 6.0 GHz, GaN MMIC  
Power Amplifier)



- 17 dB Small Signal Gain
- 25 W Typical PSAT
- Operation up to 50 V
- High Breakdown Voltage
- High Temperature Operation
- 0.5" x 0.5" total product size

[Click here for datasheet](#)

**CMPA0060002F1**  
(2 W, DC - 6.0 GHz, GaN MMIC  
Power Amplifier)



- 18 dB Small Signal Gain
- 4.8 W Typical PSAT
- Operation up to 28 V
- High Breakdown Voltage
- High Temperature Operation
- 0.5" x 0.5" total product size

[Click here for datasheet](#)

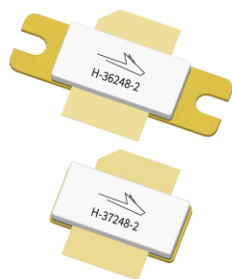
**CMPA2738060F**  
(60 W, 2.7 - 3.8 GHz, GaN MMIC,  
Power Amplifier)



- 34 dB Small Signal Gain
- 85 W Typical PSAT
- Operation up to 50 V
- High Breakdown Voltage
- High Temperature Operation
- 0.5" x 0.5" Total Product Size

[Click here for datasheet](#)

**GTVA355001FC**  
(500 W, 50 V, 2900 - 3500 MHz  
Thermally-Enhanced High Power  
RF GaN on SiC HEMT)



- GaN on SiC HEMT technology
- Broadband internal input and output matching
- Typical pulsed CW performance (class AB), 3500 MHz, 50 V, 300  $\mu$ s pulse width, 10% duty cycle
  - Output power at P3dB = 500 W
  - Drain efficiency = 65%
  - Gain = 13 dB
- Pb-free and RoHS compliant

[Click Here For Datasheet](#)

**GTVA311801FA**  
(180 W, 50 V, 2700 - 3100 MHz  
Thermally-Enhanced High Power  
RF GaN on SiC HEMT)



- GaN on SiC HEMT technology
- Broadband internal input matching
- Typical pulsed CW performance (class AB), 2700 - 3100 MHz, 50 V, 300  $\mu$ s pulse width, 10% duty cycle
  - Output power at P3dB = 180 W
  - Drain efficiency = 70%
  - Gain (P3dB) = 15 dB
- Pb-free and RoHS compliant

[Click Here For Datasheet](#)

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

LEARN MORE ABOUT WOLFSPEED

# ERAVANT

FORMERLY SAGE MILLIMETER

**SAGE MILLIMETER, INC, OFFICIALLY BEGAN OPERATING UNDER THE  
TRADE NAME 'ERAVANT' ON 1st MARCH 2020**



- Product offerings or model numbers have not changed
- New website launched [www.eravant.com](http://www.eravant.com)

[Click here for latest blog post](#)

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

LEARN MORE ABOUT ERAVANT



**HOLWORTH INSTRUMENTATION IS A GLOBAL PROVIDER OF PHASE NOISE  
ANALYSERS, SYNTHESISERS & PHASE SHIFTERS FOR DEMANDING TEST &  
MEASUREMENT APPLICATIONS**

## SYNTHESISERS

### HSX Series

Optimal Performance & Signal  
Stability



- 1 GHz Phase Noise: -142dBc/Hz
- 10 MHz to 3,6,12,20 & 40 GHz
- Spurious Response : <-80dBc
- Channel-Channel Isolation:  
<-110dB
- Up to 4X Independent, Phase  
Coherent Channels

[Click Here For Further Information](#)

## HSM Series RF Synthesiser Modules



- 10 MHz to 20 GHz
- Reliable : MTBF>240 kHrs
- Phase Coherent
- Modulation Input
- Ethernet/USB/SPI Control

[Click Here For Further Information](#)

## PHASE NOISE ANALYSERS

Holzworth Phase Noise Analysers are capable of reaching theoretical measurement limits for the highest performing DUTs. Holzworth applies an ANSI z40 calibration to every analyser built, creating full data traceability.



- Real Time Data Acquisition = Fast Measurements
- Input Frequency Range: 10 MHz to 40 GHz
- Measurement Offset: 0.1 Hz to 100 MHz
- Accurate : ANSI z540 Traceable Data 0.1 Hz
- Interleaved AM / PM Measurements
- Absolute / Residual / AM / Baseband / Jitter Measurements
- 1U Chassis Ideal For ATE Applications

[Click Here For Further Information](#)

## PHASE SHIFTERS

Holzworth HX5100 Series Electronic Phase Shifters are available for fully automating the residual / additive phase noise measurement process while using an HA7000C Series Phase Noise Analysers.



[Click Here For Datasheet](#)

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



## EPX MICROWAVE LAUNCH NEW SERIES OF COAXIAL SWITCHES

These switches will extend the usual N connector frequency range of DC ~12.4 GHz to DC~18 GHz which are suitable for high power applications



- N connector series that has a frequency range extending the usual DC to 12.4 GHz to DC to 18 GHz.
- The switches can all handle powers up to 185 Watts CW.
- In the 12~18 GHz band the SPDT has Insertion Loss of less than 0.4 dB, Isolation greater than 70 dB, and port to port VSWR better than 1.5:1.
- The series includes Single Pole Double Throw, Transfer and Single Pole Multi Throw up to 12 ways. An additional option is that all models are available with internal terminations.
- Product particularly applicable to those involved in higher power applications, such as Radar, Satellite and 5G base stations.

[Click Here For Further Information](#)

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

LEARN MORE ABOUT EPX



**MICABLE PROVIDE THE FOLLOWING POWER DIVIDERS UP TO 50 GHz & QUADRATURE HYBRID COUPLERS UP TO 50 GHz**

The following Power Dividers up to 50 GHz are provided:

- 2-Way



- 4-Way
- 6-Way
- 8-Way
- 16-Way

[Click Here For Further Information](#)

The following Quadrature Hybrid Couplers are also available:

- 90/180° to 50 GHz
- 90 to 40 GHz
- 180 to 50 GHz


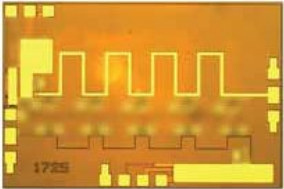
[Click Here For Further Information](#)

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LEARN MORE ABOUT MICABLE



## ECLIPSE LAUNCH NEW IC MMIC LNAS

<p><b>EMD1710QFN4</b> (2.0-20.0 GHz MMIC Low Noise Amplifier)</p> 	<ul style="list-style-type: none"> <li>• +8 Volts Supply</li> <li>• Broadband Frequency Response</li> <li>• Low Cost QFN 4mm leadless RoHS package</li> <li>• Hermetically Sealed</li> <li>• Die available upon request</li> </ul> <p><a href="#">Click Here For Datasheet</a></p>
<p><b>EMD1725D</b> (DC-33 GHz MMIC Low Noise Amplifier)</p> 	<ul style="list-style-type: none"> <li>• +8 Volts Supply</li> <li>• Broadband Frequency Response</li> <li>• Low Cost QFN 4mm leadless RoHS package</li> <li>• Hermetically Sealed</li> <li>• Die available upon request</li> </ul> <p><a href="#">Click Here For Datasheet</a></p>
<p><b>EMD1715</b> (DC-40 GHz GaAs PHEMT MMIC Low Noise Amplifier)</p>	<ul style="list-style-type: none"> <li>• +5 Volts Supply</li> <li>• Broadband Frequency Response</li> <li>• Low Cost QFN 4mm leadless RoHS package</li> <li>• Hermetically Sealed</li> <li>• Die available upon request</li> </ul> <p><a href="#">Click Here For Datasheet</a></p>



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

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