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### EPX Microwave Provide RF & Microwave Switches

- Melcom appointed as exclusive UK & Ireland Representative -
- Switches include Single Pole, Double Throw, Transfer, Matrix & Surface Mount Switches -



### Introducing The New Patented UNI- GUIDE mmW Interface

- Enables simple modification of a connectorised Coaxial Module to Waveguide Interface -



### Exceed Microwave Manufacture RF & Microwave Filters

- Melcom appointed as Exclusive UK & Ireland Representative -
- High performance Filters up to 67 GHz -
- Applicable for Commercial, Defence & Space market sectors -



### New GaN Transistors & MMICs

- 5 W, 0.5-2.7 GHz, 50 V, GaN HEMT -
- 35 W, 2.0 -6.0 GHz, GaN MMIC Power Amplifier -
- 35 W, 9.0 - 11.0 GHz, GaN MMIC Power Amplifier -



### New Aluminium Electrolytic Capacitors

- Snapic HC, 25V to 500V -
- Felsic HC, 10V to 500V -



### Visit Melcom's UK Office For inTest Thermostream Demo

- ECO-710, -80 to 225°C -
- Market leading quiet & economical operation -



### Melcom Attends DSEI 2019





## MELCOM APPOINTED AS EXCLUSIVE UK & IRELAND REPRESENTATIVE

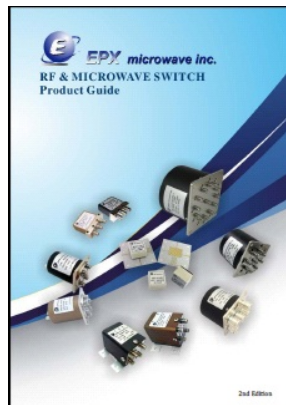
EPX Microwave designs and manufactures RF and Microwave Coaxial and Surface Mounted Electro-mechanical Switches.



EPX supply robust, reliable and cost effective switch solutions including:

- Single Pole, Double Throw Switches
- Transfer Switches
- Matrix Switches
- Frequency range up to 52 GHz

For full range of switches available please click below for Product Guide



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

LEARN MORE ABOUT EPX MICROWAVE



## INTRODUCING SAGE's PATENTED UNI-GUIDE WAVEGUIDE INTERFACE

Sage Millimeter's patented Uni-Guide allows the user to change their coaxial module to waveguide interface without the need of an adaptor.

- Supports re-use of existing equipment
- Frequency range 8.2 to 110 GHz
- Available waveguide interface



[Click Here For Uni-Guide information Video](#)

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

LEARN MORE ABOUT SAGE MILLIMETER



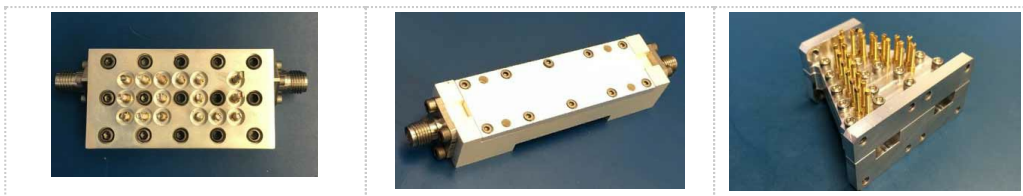
## MELCOM APPOINTED AS EXCLUSIVE UK AND IRELAND REPRESENTATIVE

Exceed Microwave supply custom high performance component designs  
up to 67 GHz for Commercial, Defence and Space applications.  
Exceed Microwave is AS9100 certified and ITAR registered, providing  
high quality,  
high performance passive components.

Exceed Specialise in the following Custom Filters and Passive Components:

- WZ Series Waveguide Bandpass Filters
- WC Series Waveguide Bandpass Filters
- Microstrip Filters

- Group Delay/Phase Equalisers
- Combiners and Adaptors



[Click Here For Product Portfolio](#)

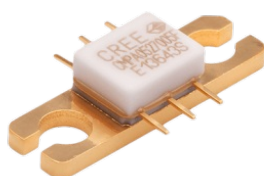
[Contact MELCOM](#) for detailed specification, pricing and availability

LEARN MORE ABOUT EXCEED MICROWAVE



## GaN TRANSISTORS & MMIC AMPLIFIERS

**CMPA0527005F**  
(5 W, 0.5-2.7 GHz, 50 V, GaN HEMT)



- Up to 2.7 GHz operation
- 39 dBm typical output power
- 20 dB small signal Gain
- Application circuit for 0.5 -2.7 GHz available
- 50% efficiency
- 50 V operation

[Click Here For Datasheet](#)

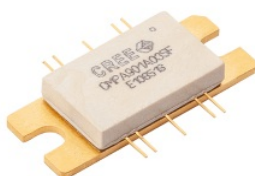
**CMPA2060035F**  
(35 W, 2.0 - 6.0 GHz, GaN MMIC Power Amplifier)



- 28 dB small signal Gain
- 35 W Typical Psat
- Operation up to 32 V
- High breakdown voltage
- High temperature operation

[Click Here For Datasheet](#)

**CMPA901A035F**  
(35 W, 9.0-11 GHz, GaN MMIC Power Amplifier)



- 9.0 - 11.0 GHz operation
- Typical output power 40 W
- Typical power Gain 23 dB
- Typical PAE 35%
- Operation up to 28 V

[Click Here For Datasheet](#)

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



## NEW RANGE OF ALUMINIUM ELECTROLYTIC CAPACITORS

### Snapsic HC



- 33µF to 47 000µF
- 25 V to 500 V
- Ultra-long lifetime up to 4 times more than competition: 8000 hours @ 85°C
- -40°C to +85°C

[Click Here For Datasheet](#)

### Felsic HC



- 400µF to 2 700 000µF
- Up to 21 µF/cm<sup>3</sup> for a custom design
- 10 V to 500 V
- Lifetime of 8000 hours @ 85°C
- -40°C to +85°C

[Click Here for Datasheet](#)

Click below to view new Electrolytic Aluminium Catalogue



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

## UK Thermostream Demonstration

### WHY THE ECO-710 IS THE MARKET LEADER

- 3 dBA quieter during operation

Market Leading Quietness ✓

- <56 dBA idle mode

- Auto power reduction when system is idle
- Competitively priced

Economical & Efficient Operation ✓

- Uses 2 amps less in operation (<16 amp)
- Consumes 2 scfm less from facility air supply

- No annual leak testing required per EU 517/2014, reducing total cost of ownership
- F-Gas compliant

Facilities Advantages ✓

- Space saving - locate side by side with adjacent equipment due to front to back air flow

- Rapid temperature transitions -55°C to 125°C in 10 seconds

Technical Performance ✓

- Temperature range: -80°C to +300°C (50/60 Hz)
- Heated defrost

- Ethernet connectivity

**Provides fast effective testing of electronic components, boards and modules, for PCBs and small assemblies**



**TS** inTEST Thermal Solutions  
an inTEST Company

To book a **DEMO** at the **MELCOM** office, please contact us on:

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## MELCOM ATTENDS DSEI 2019

The Melcom team had a fantastic and productive few days at DSEI 2019, meeting up with fellow Industry professionals to discuss the latest in RF and Microwave.



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