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CELEBRATING 25 YEARS OF SERVICE AND EXCELLENCE
25 YEARS

The Specialists from DC-mmW

VIEW AS WEBPAGE

MAY 2022 NEWSLETTER

- **EPX Microwave** - Introducing Multi Port Switches up to 53 GHz
- **Wolfspeed** - New X Band GaN MMICs and C Band Power Amplifiers
- **Altum RF** - New Amplifiers covering Q,V and E Bands
- **Exxelia** - RF Capacitors, High Q-MLCC
- **Micable** - High Power Cable Assemblies

EPX microwave inc.

High Performance Electro-Mechanical Switches for Stand-alone and Switching Matrices Applications

SP7T-SP8T (Single-Pole-Multi-Throw)

- Broadband: DC - 40 GHz
- Latching
- Extended Life: 1 million cycles
- Excellent Repeatability
- Low Insertion Loss
- 50 Internal Terminations
- Available in 7 or 8 Positions

Preliminary Datasheet

SPDT (Single-Pole-Double-Throw)

- Broadband: DC - 53 GHz
- Failsafe and Latching Modules
- Extended Life: 2 million cycles
- Excellent Repeatability
- Low Insertion Loss
- High Isolation

Preliminary Datasheet

SP3T-SP6T (Single-Pole-Multi-Throw)

- Broadband: DC to 43 GHz
- Latching
- Extended Life: 2 million cycles
- Excellent Repeatability
- Low Insertion Loss
- Internal 50Ω 2W Terminations
- Available in 3, 4, 5 or 6 Positions

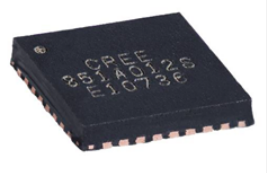
Click here for full product range

Learn more about EPX

Contact Melcom - for detailed specification, pricing & availability

New X Band GaN MMIC Power Amplifiers

CMPA851A012S
(8.5 – 10.5 GHz, 20 W GaN HPA)



- 8.5 – 10.5 GHz, 20 W GaN HPA
- 29 dB of large signal gain
- 5x5 mm plastic QFN package

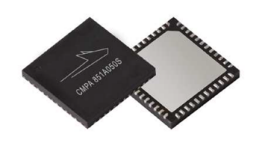
Datasheet upon request

CMPA851A025S
(8.5 – 10.5 GHz, 40 W GaN HPA)

- 8.5 – 10.5 GHz, 40 W GaN HPA
- 29 dB of large signal gain
- 6x6 mm plastic QFN package

Datasheet upon request

CMPA851A050S
(8.5 – 10.5 GHz, 80 W GaN HPA)



- 8.5 – 10.5 GHz, 80 W GaN HPA
- 29 dB of large signal gain
- 7x7 mm plastic QFN package

Datasheet upon request

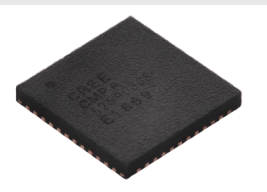
New C Band Amplifiers

CMPA5259050S
(50 W, 5.0 - 5.9 GHz, GaN MMIC, Power Amplifier)

- >50% Typical Power Added Efficiency
- 27 dB Small Signal Gain
- 65 W Typical PSAT
- Operation up to 28 V
- High Breakdown Voltage
- High Temperature Operation

Datasheet

CMPA5259080S
(80 W, 5.0 - 5.9 GHz, GaN MMIC, Power Amplifier)



- >48% Typical Power Added Efficiency
- 29 dB Small Signal Gain
- 110 W Typical PSAT
- Operation up to 40 V
- High Breakdown Voltage
- High Temperature Operation

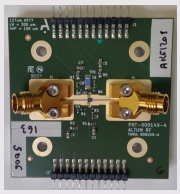
Datasheet

Learn more about Wolfspeed

Contact Melcom - for detailed specification, pricing & availability

New Amplifiers Covering Q, V, and E-Band

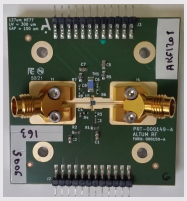
ARF1208
(37-59 GHz Low Noise Amplifier)



- 37-59 GHz Low Noise Amplifier
- 2.5 dB Noise Figure (LNA Bias) @ 50 GHz
- 26.5 dB Gain
- 19 dBm Saturated Output Power (Driver Bias)

Datasheet upon request

ARF1207
(57-71 GHz LNA Power Amplifier)



- 57—71 GHz Power Amplifier
- 22 dBm Psat Output power
- >20 dB Gain
- > 10 dB Input and Output Return Loss
- 5 dB Noise Figure

Datasheet upon request

Altum RF Announces Three New Amplifiers Covering Q, V,...

Compact MMIC amplifiers achieve high gain, low noise, with ease of use for design-in (EINDHOVEN, THE NETHERLANDS) April 5, 2022 - Altum RF, a supplier of high-performance RF to millimeter-wave semiconductor solutions for next generation markets...

Read more
www.altumrf.com

Learn more about Altum RF

Contact Melcom - for detailed specification, pricing & availability

High Q MLCC RF Capacitors

High Q series are designed with P100 or ultra-stable NPO dielectric. For high power, high voltage applications such as MRI, NMR, RF generators for laser, plasma applications, power filters.

CH SERIES

CAPACITANCE
0,1pF > 1000pF

VOLTAGE DC
> 1500V

CASE SIZES
0505, 1111

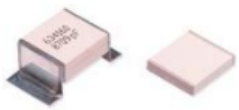
ROHS | ESA

CL SERIES

CAPACITANCE
1pF > 10000pF

VOLTAGE DC
> 7200V max

CASE SIZES
2225, 4040, 7065



ROHS

CP SERIES

CAPACITANCE
1pF > 10000pF

VOLTAGE DC
> 7200V > 7000V...

CASE SIZES
2225, 4040

ROHS

NHB SERIES

CAPACITANCE
0,3pF > 100pF

VOLTAGE DC
> 500V > 500V

CASE SIZES
1111

ROHS

CNW SERIES

CAPACITANCE
10nF > 1µF

VOLTAGE DC
100V > 300kV > ...

CASE SIZES
Not Supported

ROHS

SH SERIES

CAPACITANCE
0,2pF > 1000pF

VOLTAGE DC
> 25V > 1500V

CASE SIZES
0402, 0603, 080...

ROHS

SHR-SHD SERIES

CAPACITANCE
0,5pF > 100pF

VOLTAGE DC
> 500V > 500V

CASE SIZES
0709, 0711

ROHS

SPT519, CAW, CEW SERIES

CAPACITANCE
1pF > 15nF

VOLTAGE DC
> 550kV > 6300V...

CASE SIZES
Not Supported

ROHS

Click here for full product range

Learn more about Exxelia

Contact Melcom - for detailed specification, pricing & availability

New High Power Cable Assemblies

18GHz N-RA
High Performance Microwave Cable Assemblies

This product adopts N type internally swept right angle connectors with MIcable B12Y ultra-low loss phase stable cable which outer

More >>

110GHz High Performance
Millimeter Wave Cable Assemblies

The 110GHz millimeter-wave cable assembly is built with 1.0MM precision male connectors and phase stable low loss cable, it' s featured

More >>

18GHz High Performance
1.0/2.3 Coaxial Contacts & Cable Assemblies

The 1.0/2.3 coaxial contacts are widely used in D-sub and rectangular combination connectors for integrated RF/LF cables. The

More >>

Click here for full product range

Click below for the Microwave & Millimeter Wave Catalogue

Learn more about MIcable

Contact Melcom - for detailed specification, pricing & availability

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