

The Specialists from DC-mmW

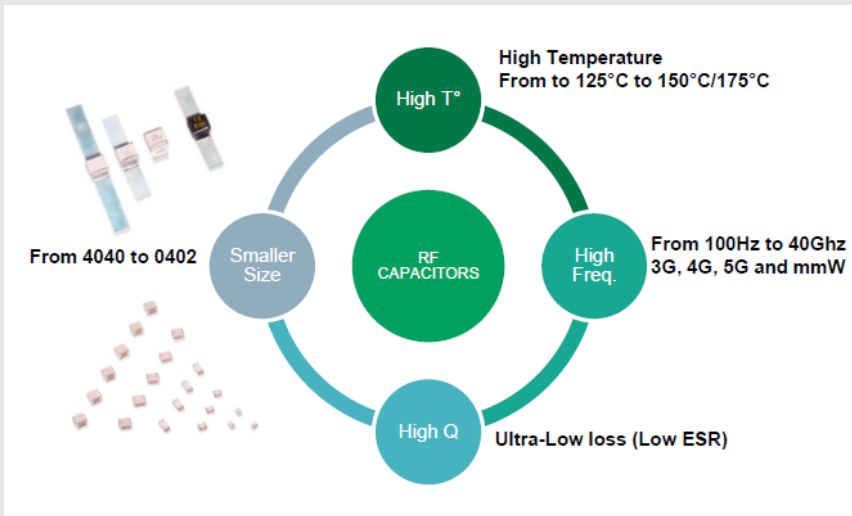
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## High Q Capacitors - RF Microwave Solutions

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, radar, power applications, power filters, Exxelia has developed the CP and CL series

- Typical lead time of 12 weeks
- Direct alternative to ATC Capacitor range



On offer are the following Capacitors:

- High Power Hi-Q
- Classic High-Q
- Super High-Q
- Broadband

Applicable Markets:

- Medical
- Telecom
- Industrial
- Defence
- Space

## Solutions for any frequency and application

Criteria	High-Power High-Q	Classic High-Q	Super High-Q	Broadband
EXXELIA Products				
Typical Frequencies usage	1MHz to 2GHz	30Mhz to 3Ghz	30MHz to 5GHz	Up to 40GHz
Sizes	4040, 2225	1111, 0505	1111, 0505, 0805, 0603, 0402	0402, 0201
Operating voltage	Up to 7200V	Up to 1500V	Up to 1500V	16V
Capacitance	Up to 10nF	Up to 1nF	Up to 1nF	100nF
Operating temperature	Up to 125°C	Up to 175°C	Up to 150°C	Up to 125°C
ESR (typical @100Mhz)	10-30mΩ	30mΩ	20mΩ	Not Applicable
Temperature Coefficient	P100 : 100 ± 30ppm/°C NPO : 0 ± 30ppm/°C	P100 : 100 ± 30ppm/°C	NPO : 0 ± 30ppm/°C	± 15%
Space Screening available	No	Yes	Yes	No
Main EXXELIA Products	CPE, CPX series CLE, CLX series	CHA, CHB series	SHA, SHB series SHF, SHS, SHL series	XBL, UBL, UBZ

The product range features high frequency from 100Hz to 40 GHz, high temperatures and Low ESR

## 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](#)

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