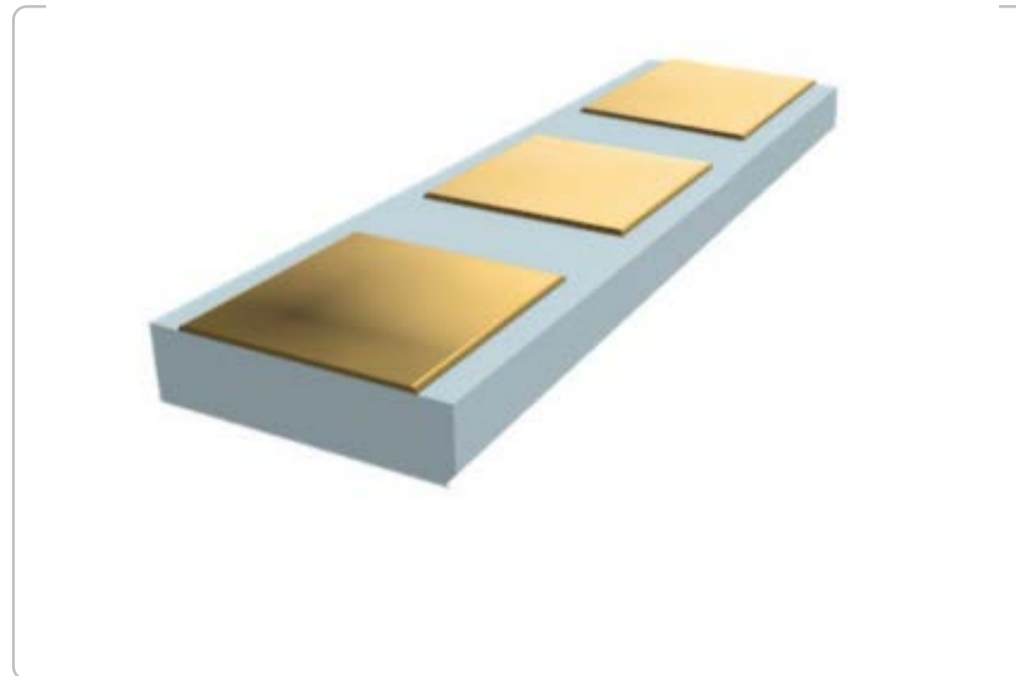


XG3 Series

Product Series Specifications

Type:	RF Ceramic - Single-layer SMD Mount Gap Capacitor
Grade:	Hi-Rel/ Mission-critical RF and microwave component
Dielectric:	Porcelain, Class I NPQ, Class I NP0, Class I NPS, Class II X7R, and Class III Y5V
Rated Voltage:	6.3V to 100V
Capacitance:	0.5 pF to 100,000 pF
Sizes:	1809, 1707, 1507, 0602, 0502, and 0301
Operating Temp.:	-55 °C to +125 °C



[PDF Datasheet](#)

[Request a Quote](#)

[Talk to an Engineer](#)

Overview

The XG3 series is a single-layer SMD terminal gap capacitor with Pt or Au metallization for solder or epoxy die attach. It is offered in multiple dielectric families, voltage ratings, capacitance tolerances, and compact case sizes, and includes a three-pad terminal configuration shown in the part-numbering system and pinout schematic.

Additional Features

- 3-terminal design
- Novel embedded-electrode capacitor design eliminates wire bonds and vias
- Extremely low ESL (typically <15pH)
- Low ESR enables high power handling
- Large capacitance achievable in reasonable size
- Broadband performance from kHz to 10s of GHz
- 1 XG3 capacitor can replace 10s of MLCC

Typical Applications

- RF and microwave circuits
- High-frequency coupling and tuning networks
- Precision impedance matching applications
- DC Blocking, RF bypass
- For DC Bias line filtering/EMI filtering

Parametric Search

Applied Filters: Brand: UTC ✖ Product Family: C - Low Voltage ✖

this should say "open filters" -->

Close Filters

Rows per page: 500 ▾

Prev 1 2 3 ... 19 20 Next

Compare	Product	PDF	DLA PN	Brand	Capacitor Type	Voltage DC	Capacitance	Operating Temperature Range	Product Family	Vol
<input type="checkbox"/>	CA1005X5R102JWT	PDF	-	UTC	Ceramic	6.3	1000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R102KWT	PDF	-	UTC	Ceramic	6.3	1000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R102MWT	PDF	-	UTC	Ceramic	6.3	1000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R103JWT	PDF	-	UTC	Ceramic	6.3	10000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R103KWT	PDF	-	UTC	Ceramic	6.3	10000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R103MWT	PDF	-	UTC	Ceramic	6.3	10000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R104JWT	PDF	-	UTC	Ceramic	6.3	0.1 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R104KWT	PDF	-	UTC	Ceramic	6.3	0.1 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R104MWT	PDF	-	UTC	Ceramic	6.3	0.1 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R223JWT	PDF	-	UTC	Ceramic	6.3	0.022 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R223KWT	PDF	-	UTC	Ceramic	6.3	0.022 uF	-55°C to +125°C	C - Low Voltage	

Our Brands

Evans
Eulex
Paktron
UTC

Need to Buy?

Contact Us
Distributors
Sales Representatives
Request a Quote

Quick Links

Resource Library
Careers
News
Sales Partner Portal

Need Help?

Quality Certifications
W-9
Terms & Conditions
Government Policy