Ultra-Low ESR C0G (NP0) Capacitors

KGU SERIES

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BASIC OVERVIEW

KYOCERA AVX continues to expand its RF product portfolio with the new KGU series. These multilayer ceramic capacitors feature tight tolerance, high Q, high self-resonance frequency and low equivalent series resistance all in a small case size.

The KGU Series C0G (NP0) capacitors are designed for a wide range of frequencies and RF applications.

APPLICATIONS

- Cellular Base Stations
- Satellite Communications
- Broadband Wireless Services
- Wi-Fi (802.11)
- Filter and Matching Networks

GENERAL CHARACTERISTICS

"KGU" Series capacitors are C0G (NP0) chip capacitors specially designed for "Ultra" low ESR for applications in the communications market. Sizes available are EIA chip sizes 01005 through 0805. This series also features high self-resonance frequencies and base metal electrodes (BME).

The KGU Series can be utilized in a wide range of circuit applications such as matching, tuning, coupling, and DC blocking.

KEY SPECIFICATIONS

Sizes: 01005 – 0805

Rated Voltage: 16V – 250V

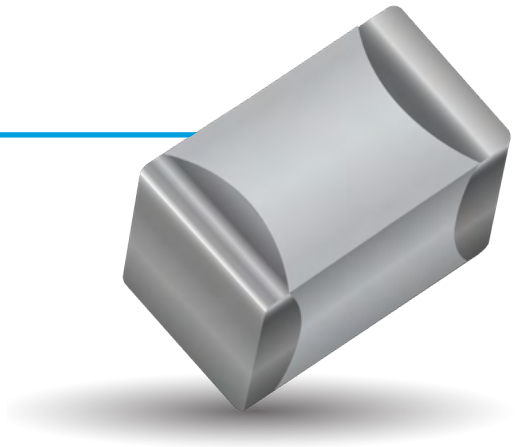
Capacitance: 0.1 – 100 pF

Tolerance: as low as ± 0.05 pF

Operating Temperature: -55°C to 125°C

TOP SELLING POINTS / CHARACTERISTICS

- Copper Internal Electrodes
- NP0 Temperature Characteristic (± 30 ppm/°C)
- Ultra-Low Equivalent Series Resistance (ESR)
- Small, Standard EIA, case sizes with Tight Tolerance
- Easy installation



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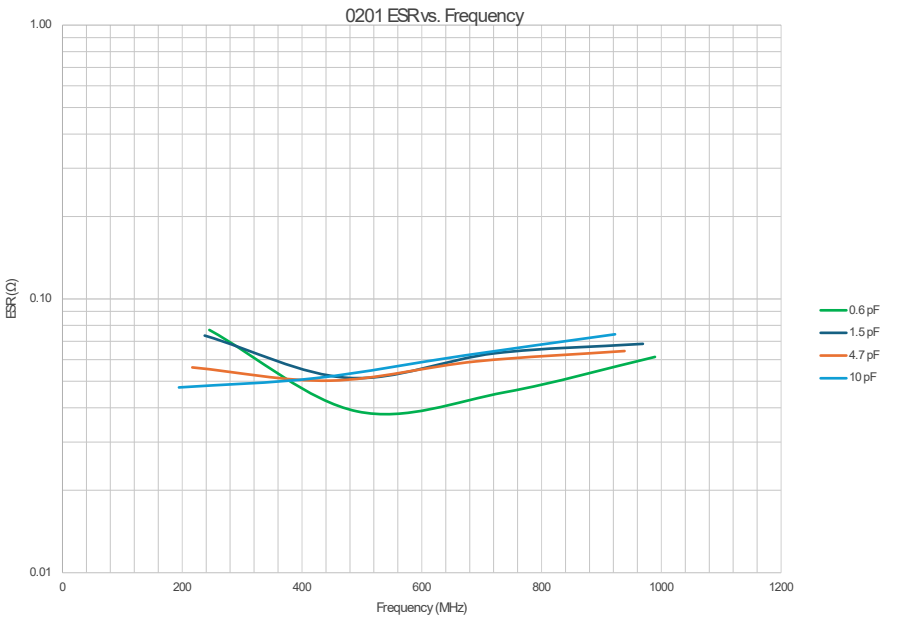
Part Number	Size	Capacitance	WVDC	Tolerance
KGU02	01005	0.2 — 24 pF	16 — 24 pF	As low as ± 0.10 pF
KGU03	0201	0.1 — 22 pF	6.3 — 50 pF	As low as ± 0.05 pF
KGU05	0402	0.1 — 22 pF	100 — 200 pF	As low as ± 0.05 pF
KGU15	0603	0.1 — 82 pF	100 — 250 pF	As low as ± 0.05 pF
KGU21	0805	0.1 — 100 pF	100 — 250 pF	As low as ± 0.05 pF

NEW!



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