

Passive Plus, Inc. March News

Spotlight: 0505C & 1111C

Passive Plus, Inc. (PPI) now offers extended-values for the Traditional NP0, Hi-Q 0505 (.055" x .055") -- now available up to 1,000pF; and 1111 (.110" x .110") -- now available up to 10,000pF (.01uF). The 0505 and 1111 have an **increased Operational Temperature up to 200°C**. These parts exhibit Low ESR/ESL, Low Noise, High Self-Resonance as well as ultra-stable performance over temperature. Usually used for wireless broadcasting equipment, mobile base stations, GPS, MRI, and radar applications, these capacitors are offered in magnetic and non-magnetic terminations.

Now available in 100% RoHS Tin or Tin/Lead terminations (90%Sn 10%Pb solder, SnPb 90/10)

0505C series:

Value Range: 0.1pF - 1000pF

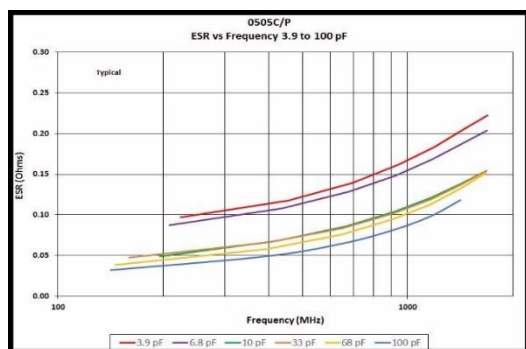
Size: .055" x .055"

WVDC: 150V

Extended WVDC: 300V

TCC: 0 +/- 30 PPM/°C (-55°C --+200°C)

[See Datasheet](#)



1111C series:

Value Range: 0.1pF - 10,000pF

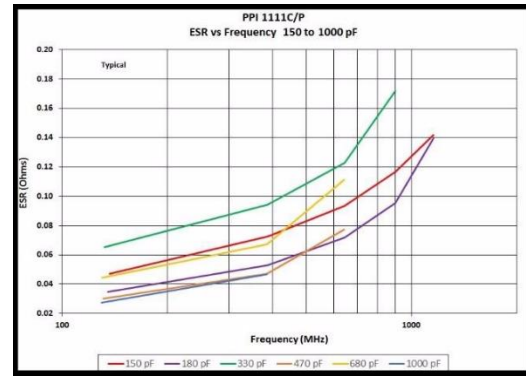
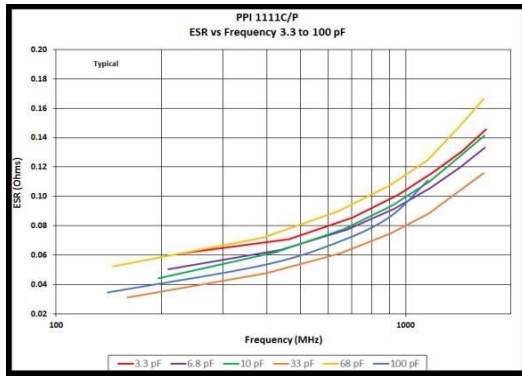
Size: .110" x .110"

WVDC: 500V

Extended WVDC: 1500V

TCC: 0 +/- 30 PPM/°C (-55°C - +200°C)

[See Datasheet](#)



Delivery is stock - 2 weeks. Engineering Design Kits for both case sizes are available in magnetic and non-magnetic terminations.

The 1111C series also is available in microstrip, axial and radial ribbon, and axial and radial wire.

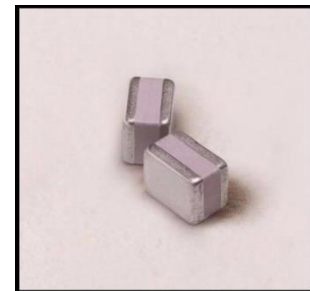


For additional information on the [0505C](#) & [1111C](#) series, please visit our [website](#).

Spotlight: 0708N Lowest Equivalent Series Resistance (ESR)

Passive Plus, Inc. (PPI) is now offering the 0708N (.065" x .080") series capacitor. With vertical electrodes which increase bandwidth, these Capacitors have Low ESR/ESL, and High Self-Resonance. Uniquely designed for excellent heat transfer in High RF applications, the 0708N offers Ultra-Stable performance over temperature. These capacitors are 100% RoHS compliant and also available in Tin/Lead termination.

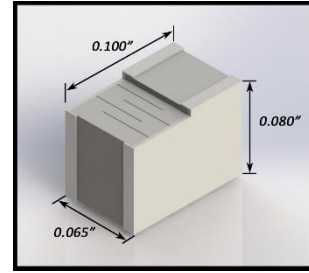
Typically used in wireless broadcasting equipment, mobile



base stations, GPS, MRI, and Radar applications.

Target Markets: WiMAX/LTE (Long Term Evolution), UHF/RF High-Power Amplifiers, HDTV Transmitters, Microwave Heating Industrial/Commercial

Typical Circuit Applications: UHF/RF Power Amplifiers, Transmitters, Mixers, Oscillators, Low Noise Amplifiers, Filters



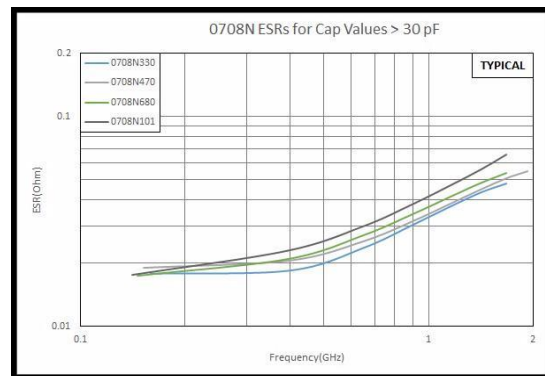
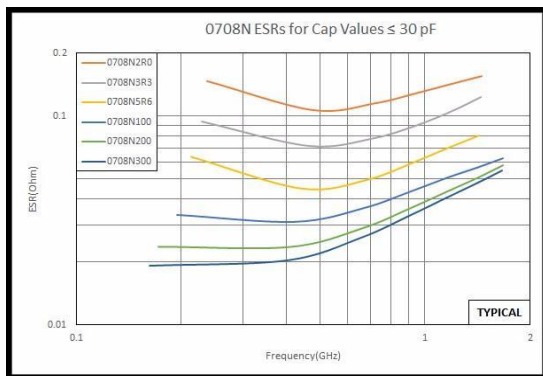
0708N Series Specifications:

Size: .065" x .080"

Value Range: 1pF - 100pF

WVDC: 500V

TCC: 0 +/- 30 PPM/°C (-55°C to +175°C)



For additional information on the **0708N** series, please visit our [website](#).

All case sizes are 100% RoHS, and exhibit Low ESR/ESL, Low Noise, High Self-Resonance, as well as ultra-stable performance over temperature. Engineering Design Kits available. See our [website](#) for complete series information.

Contact Passive Plus directly at (631) 425-0938 or email sales@passiveplus.com for quotes, pricing, orders, custom assembly requests or specific engineering questions.