



FOR IMMEDIATE RELEASE

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**PASSIVE PLUS, INC. OFFERS:
0505 & 1111 CASE SIZE - HIGH-Q/LOW ESR - CAPACITORS**

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PPI's product offering includes Traditional High-Q Low ESR 0505 (0.055" x 0.055") & 1111 (0.110" x 0.110") Multi-layer Ceramic capacitors for UHF/Microwave RF Power Amplifiers, Mixers, Oscillators, Filter Networks, Low Noise Amplifiers, & Timing Circuits and Delay Lines. These capacitors are available in two dielectrics (P90 or NP0); three different terminations: Magnetic (100% Tin - Solder over Nickel Barrier), Non-Magnetic (100% Tin - Solder over Copper Barrier), and Tin/Lead (90% Tin 10% Lead - Solder over Nickel Barrier); and are designed and manufactured to meet the requirements for MIL-PRF-55681 and MIL-PRF-123.

0505C/P series:

Size: .055" x .055"
Value Range: 0.1pF – 1000pF
WVDC: 150V

Extended WVDC: 300V

TCC: C: 0 ± 30 PPM/°C (-55°C to **125°C**)
 0 ± 60 PPM/°C (>125°C to **200°C**)
P: $+90 \pm 20$ PPM/°C (-55°C to **200°C**)

1111C/P series:

Size: .110" x .110"
Value Range: 0.1pF – 10,000pF
WVDC: 500V

Extended WVDC: 1500V

TCC: C: 0 ± 30 PPM/°C (-55°C to **125°C**)
 0 ± 60 PPM/°C (>125°C to **200°C**)
P: $+90 \pm 20$ PPM/°C (-55°C to **200°C**)

Engineering Design Kits for the 0505C/P & 1111C/P case size are available in magnetic and non-magnetic terminations.

Always committed to producing the highest quality product on the market, PPI maintains a fully equipped R&D and testing facility ensuring a wide range of superior High-Q Capacitors and Custom Assemblies. PPI works with requesting engineers to determine best assembly for their applications.

Datasheets, and Modelithics® generated S-Parameter (S2P) Data can be found at <https://passiveplus.com/products/fixed-capacitors/hi-q-low-esr-capacitors/>. In addition, PPI's C.A.P. (Capacitor Application Program) is available at www.passiveplus.net. C.A.P. allows engineers to insert capacitor requirements (Cap value, Frequency) to produce S-Parameter data, ESR, Q & Impedance Charts, and datasheets according to the engineer's specifications.

PPI is known for their outstanding Customer Service, high quality product line, competitive pricing, and quick delivery times. While other companies are pushing out their lead-times for product delivery, PPI is committed to delivering our quality components as quickly as possible.

PPI is a manufacturer of high-performance RF/Microwave passive components specializing in High-Q, Low ESR/ESL Capacitors, Broadband Capacitors, Single Layer Capacitors, Non-Magnetic Chip Resistors and Thin Film Resistors, and Trimmer Capacitors for the Medical, Semiconductor, Military, Broadcast, and Telecommunications Industries.

PPI is ISO9001 certified.

Contact PPI directly at +1 (631) 425-0938 or sales@passiveplus.com for quotes, pricing, orders, custom requests or specific engineering questions.

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