



FOR IMMEDIATE RELEASE

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Passive Plus

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PASSIVE PLUS OFFERS:

0505 CASE SIZE - HIGH-Q/LOW ESR - CAPACITORS

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Passive Plus' product offering includes Traditional High-Q Low ESR 0505 (0.055" x 0.055") 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% Sn - Solder over Nickel Plating), Non-Magnetic (100% Sn - Solder over Copper Plating), and Tin/Lead (90% Sn 10% Pb - Solder over Nickel Plating); 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/ $^{\circ}$ C (-55 $^{\circ}$ C to **125 $^{\circ}$ C**)

0 ± 60 PPM/ $^{\circ}$ C (>125 $^{\circ}$ C to **200 $^{\circ}$ C**)

P: $+90 \pm 20$ PPM/ $^{\circ}$ C (-55 $^{\circ}$ C to **200 $^{\circ}$ C**)

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

Always committed to producing the highest quality product on the market, Passive Plus maintains a fully equipped R&D and testing facility ensuring a wide range of superior RF, Microwave, and Broadband Components. Passive Plus works with requesting engineers to determine the best component for their applications.

Datasheets, and Modelithics® generated S-Parameter (S2P) Data can be found at <https://www.passiveplus.com/>. In addition, Passive Plus' 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.

Passive Plus is known for our 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, we are committed to delivering our quality components as quickly as possible.

Passive Plus 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.

Passive Plus is ISO 9001:2015 certified.

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