



**FOR IMMEDIATE RELEASE**

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**PASSIVE PLUS OFFERS:  
LARGER CASE SIZE HIGH-Q HIGH POWER CAPACITORS**

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Passive Plus (PPI) offers a series of larger case size capacitors with a High-Q, High RF Current/Voltage with Low ESR/ESL and Ultra-Stable performance characteristics. These capacitors can be used as bypass, coupling, tuning, impedance matching or DC blocking components for HF/RF Power amplifiers, transmitters, antenna tuning, plasma changes and medical equipment applications. The larger case sizes are designed and manufactured to meet the requirements for **MIL-PRF-55681** and **MIL-PRF-123**, and 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).

*\*Depending on case size*

**2225C/P series:**

Size: .220" x .250"  
Value Range: 0.5pF – 2700pF  
WVDC: 2500V

**Extended WVDC: 3600V**

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

**3838C/P series:**

Size: .380" x .380"  
Value Range: 0.5pF – 5100pF  
WVDC: 3600V

**Extended WVDC: 7200V**

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

**6040C series:**

Size: .600" x .400"  
Value Range: 1pF - 6800pF  
WVDC: 5000V

**Extended WVDC: 8000V**

TCC:  $0 \pm 30$  PPM/°C (-55°C to **125°C**)  
 $0 \pm 60$  PPM/°C (>125°C to **175°C**)

**7676C series:**

Size: .760" x .760"  
Value Range: 1pF - 20000pF  
WVDC: 5000V

**Extended WVDC: 8000V**

TCC:  $0 \pm 30$  PPM/°C (-55°C to **125°C**)  
 $0 \pm 60$  PPM/°C (>125°C to **175°C**)

Please contact PPI directly, for information and availability of these capacitors in magnetic or non-magnetic termination, or microstrip, axial and radial ribbon, axial and radial wire leads, and custom assemblies.

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](http://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](mailto:sales@passiveplus.com) for quotes, pricing, orders, custom requests, or specific engineering questions.