



FOR IMMEDIATE RELEASE

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PASSIVE PLUS, INC. HI RELIABILITY SCREENING PROGRAMS
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Huntington, New York – March 2019

As typical electrical tests may not detect internal flaws such as voids, cracks, de-laminations and electrode discontinuities, which can lead to latent and/or catastrophic failures in high power applications, Passive Plus, Inc. (PPI) offers the following Hi Reliability screening in production, at no extra charge:

- J) 100% Automated Sonoscan (CSAM) Inspection on all larger case sizes. Performed on AQL basis for 0505 and 1111 case sizes. The primary benefit of 100% CSAM internal inspection is increased reliability, by screening out electrically undetectable internal defects such as voids, cracks, de-laminations or electrode discontinuities.
- J) 100% High Voltage Partial Discharge Testing on all leaded 2225 and larger case size capacitors; Partial Discharge testing detects faint electrical discharges in multilayer ceramic capacitors under High Voltage conditions. Unacceptably high levels of discharge indicate the presence of large or numerous voids internal to the capacitor, or other possible surface defects, which can lead to immediate or latent catastrophic failures. Low or zero levels of discharge indicate a robust and reliable dielectric structure, ensuring reliability under high stress conditions.
- J) 100 Hour Burn-In on all leaded 1111 and larger case size capacitors and assemblies ensures reliability; The PPI burn-in is done at extended voltage and 125°C, with Capacitance, Dissipation Factor (inverse of Q), and IR (Insulation Resistance) measurements taken before and after burn in.

Passive Plus, Inc. (PPI) is a manufacturer of high-performance RF/Microwave passive components for the Medical, Semiconductor, Military, Broadcast, and Telecommunications Industries.

PPI specializes in High-Q, Low ESR/ESL Capacitors, Broadband Capacitors, Single Layer Capacitors, Non-Magnetic Resistors (High Power and Thin Film) and Trimmer Capacitors.

PPI is ISO9001:2015 certified.

PPI is known for the outstanding Customer Service and RF Engineering Support.

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

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