Factory

- EST 1988 / PPI NY 2005
- ISO 9001
- 14001 Certified
- +207 employees
- S level reliability
- Mil C 55681
- Mil C 123
Factory

- Recent audit by a top German manufacturer resulted in a 93% score, best in the High Power capacitor industry
- Modern, automated equipment:
  A) Minimizes cycle time, enabling easier customer production scheduling. Lead times Stock-6 weeks.
  B) Minimizes operator error
  C) Minimizes process variation, ensuring product consistency
- Continuous multi-million $ investments ensures critical process control and short lead times
- 33 Pcs of new Manufacturing equipment, and 22 pcs of test equipment have been purchased in the last 3 years.
Product Reliability

State of the art electro-plating eliminates caustic chemical intrusion, which eliminates cracking due to out-gassing

Automated dicing of green state ceramic blocks minimizes chip outs and cracking

Dense ceramic microstructure minimizes voids and ensures robust performance under voltage stress

State of the art screen printing produces thick and continuous electrodes, decreasing ESR and minimizing discontinuities

Lead attach is done in a 10 zone, nitrogen controlled Reflow ovens, preventing oxidation and ensuring reliable solder joints
Product Reliability- An Industry First

• Passive Plus is the only supplier to offer the following Hi Reliability screening programs, in production, at no extra charge:

• 100% Automated Sonoscan (CSAM) Inspection on all case sizes 2225 and larger; screens out electrically undetectable internal defects such as voids, cracks, delaminations or electrode dis-continuities. Performed on AQL basis for 0505 and 1111 case sizes.

• 100% High Voltage Partial Discharge Testing on all leaded 2225 and larger case size capacitors

• 100 HR burn in on all leaded 1111 and larger case size capacitors and assemblies ensures reliability
Product Reliability

- Scuff free parts minimize arc-over risk
- All assemblies and leaded parts are lot code marked, facilitating traceability and problem resolution
- Customized Hi Rel programs available
PPI Service and Sales

- Worldwide engineering/sales/stock support
- Huntington, NY Headquarters
- +1 631 425 0938 / sales@passiveplus.com
- Steve Beyel, President, 30+ years RF experience
- Bob Grossbach, Director of engineering, 35+ years experience, RF and capacitor design
- Mark Johnson, Sr. Sales Manager, Western USA, 30+ years experience, RF design and sales
- Flemming Gade, Sr. Sales Manager, Europe, 35+ years experience, RF sales
- 32 representative firms WW
- 92 Representative Sales Engineers
PPI Service and Sales

- Easy to do business with; NO MOQ; Online store
- Delivery performance to promise date - 98%
- Well staffed and trained inside sales people
- Generous and Fast sampling
- Speedy quoting and confirmations
- Proactive notifications
- Stocking and VMI programs
- Lot code identifier per line item on shipping paperwork
- Plastic shipping molding for assemblies prevents scuffing and damage during shipping
Leading Edge Broadband Capacitors

- Applications are ultra wide RF coupling / DC blocking
- Resonant free from 16 KHZ to +65 GHZ
- 0402
- 0201
- 01005
- Supported by S parameters and Modelithics models
- In production now, parts in stock, samples available
Design Support for RF capacitors

- S parameters on website
- Modelithics Modeling data with 30 day free trial
- In house Keysight Genesys
- AWR data library
PPI ROADMAP

- Innovation – Leading edge Broadband capacitors for ultra wide bandwidth applications
- RF capacitor design tools
- Best in High-Q Industry Electrical Models and Real-World Data
- Best in Industry High Voltage Low ESR Capacitors
- Best in High-Q Industry Process Control, Quality, Repeatability and Reliability
- Best in High-Q Industry Technical and Sales Support
- Quickest Turn Assembly Prototypes and Production
- Shortest Lead Times and Fastest Quote Turnaround
- Lowest Cost of Ownership
Screen Printing
PPI 3838 electrode comparison to another supplier: State of the art screen printing produces thick and continuous electrodes, decreasing ESR and minimizing discontinuities that can cause failures.
Reflow Ovens / 10 zone
Automatic Stacking
Automatic Stacking, NEW
Firing
Laser Marking
Termination
Burn In Chambers
Partial Discharge Tester
VNA
ESR Testing

Final