



# Engineering Services Questionnaire

Please complete the following questionnaire to help our engineering team understand your application, testing needs, and any required customizations.

Date:
Company Name:
Point of Contact:
Email/ Phone:
Project Name / Reference (optional):

## Application Overview

Brief description of your application: (e.g., RF amplifier, filter, MRI coil, plasma generator, matching network, IoT device)

**Operating Frequency Range:** Target power level / voltage rating:

Environmental conditions of the application:

- Standard laboratory
- High humidity
- Vibration/shock
- High temperature
- Vacuum
- Other:

**Components of Interest:** Which Passive Plus components are you working with? Check all that apply.

- High-Q Capacitors (01005–1111)
- Custom Assemblies
- High-Power RF Capacitors (2225, 3838, 7676, 1313)
- Other Passives (Resistors/Coils)
- Broadband Capacitors (01005-0805)
- Not sure yet – need engineering guidance

Specific part numbers or values (if known):



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## Type of Engineering Services Requested

What do you need our Engineers to support? (Select all that apply.)

### Electrical

- Custom capacitance measurement
- Q / ESR optimization
- Frequency characterization (Up to 1111)
- Thermal behavior analysis
- High-power or high-voltage testing

### Testing & Screening

- S-parameter testing (frequency range: \_\_\_\_\_)
- Q / ESR testing
- High-voltage breakdown testing
- Thermal Cycling
- Life test / burn-in
- HALT Testing
- Customer-specified screening (describe below)

Describe any additional test requirements:

### Mechanical

Optical Microscope (Mag \_\_\_\_\_)      DPA/SEM Microscope (Mag \_\_\_\_\_)

### Performance Requirements

Target Capacitance Value or Range:
Target Q or ESR (if known):
Voltage rating needed:
Max current or power (CW or pulsed):
Thermal considerations / max temperature:
Other

### PCB / Mechanical Integration

Board material (e.g., FR-4, Rogers, ceramic):
Pad size or footprint requirements:
Special mounting constraints:

### Delivery Requirements

Urgency of request:

- Immediate (prototype needed ASAP)
- Near-term (1-3 months)
- Long-term (development stage)

Volume expectation:

- Prototype quantities
- Low-volume production
- High-volume production



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## Additional Notes or Questions

Please share any other details or challenges you want our engineering team to address:

Complete and send this form, along with any drawings or diagrams to PPI. [sales@passiveplus.com](mailto:sales@passiveplus.com)