



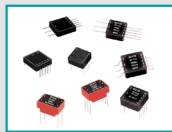
PulseR Ruggedized Solutions (formally Pulse Electronics Military & Aerospace/ Specialty Products) is a World Class manufacturer of catalog and custom magnetic components with manufacturing facilities domestically & off shore. Our products serve Military, Commercial Aerospace, Manned and Unmanned space, High-Reliability Industrial, Medical, Transportation and Power-Grid Infrastructure markets across the globe. PulseR's experienced engineering teams offers cutting-edge technical solutions while our manufacturing expertise provides comprehensive production.

## Military

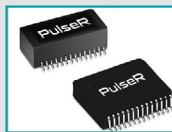
## Aerospace

### Signal Products

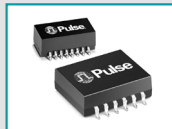
MIL-STD-1553 QPL and non-QPL Interface transformers and transceivers



Copperhead Transceivers and Transformers  
Fibre Channel, FireWire IEEE-1394, SMPTE -292M HDTV, up to 3.2Gb/s



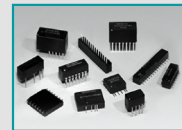
Ethernet interface transformers  
10/100, Gig-Ethernet, Single, Dual and Quad Channel  
AFDX Interface transformers



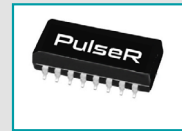
High Speed Baluns  
In-Line, Connectorized, ruggedized, 1.485 GB/s



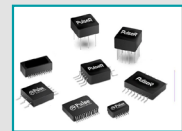
Delay Lines  
QPL per MIL-PRF-83531 and -83532 active and passive



Signal Transformers



Custom Build to Print or SCD signal magnetics



### Power Products

Current Transformers  
Up to xx amps, single phase, 3 phase – 400Hz



Gate Drive Transformers  
Up to 2KV isolation



Common Mode Choke



Shielded Drum Core Inductors



SMT Power Inductors



Custom Build to Print or SCD power magnetics



All Catalog Products are ITAR Free

## Space Development/Testing/Validation Capabilities

- Mil-STD-981
- NASA EEE-INST-002
- NASA-STD 8739.3
- IPC-STD-001DS
- MIL-PRF-21038
- MIL-PRF-27
- MIL-STD-202
- ECSS-Q-ST-70-38C
- AEC-Q200
- MIL-STD-883
- Custom Magnetic Power
- Signal Design/Build

## Program Participation

ISS      Orion      World View III      MagICE      HPCA      James Webb Telescope

## Manufacturing Capabilities

Bobbin Winding      Toroid Winding      AS9100C Certified      ITAR Free Products

## Testing Services

Testing capabilities for product qualification and design validation

### ELECTRICAL

- Inductance with or without DC
- Turns Ratio
- HI-POT - Vac up to 5kv, Vdc up to 6kV
- Insulation Resistance
- Distortion
- Pulse Testing
- Thermal Rise
- Impedance
- Q (up to 1 Mhz)
- DCR
- SRF (up to 3Ghz)
- Leakage Inductance
- Voltage Ratio
- Insertion Loss

### ENVIRONMENTAL

- Mechanical Shock
- Mechanical Vibration
- Solderability
- Resistance to Soldering
- Tin whisker analysis

### MECHANICAL

- Humidity (to 90% RH)
- Moisture Resistance
- Thermal Shock
- Thermal Cycling
- High/Low Temperature Storage
- Steam Aging

### ANALYTICAL

- X-Ray Imaging
- Real Time X-ray
- Plating composition analysis
- Detailed Inspection Plans
- First Article Inspection to AS9102

## Corporate Headquarters

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