

POWER

iNRCORE (formerly PulseR) 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.

iNRCORE's experienced engineering teams offer cutting-edge technical solutions while our manufacturing expertise provides comprehensive production.



Board Mounted

Transformers

- **Current Transformers**



- **Gate Drive Transformers**



- **Common Mode Choke**



- **Planar Transformers & Inductors**



Chassis Mount

- **Power Transformers**

1 Phase / 3 Phase
Laminated
Toroid
Tape Core
Up to 10 KVA



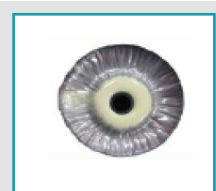
- **Switch Mode Transformers**
Up to 10 KVA 10 KHz



- **Current Sense Transformers / Module Assemblies**
Signal Phase / Multi Phase
Up to 4 KVA (Burdened)



- **High Isolation Applications**



- **Single Phase Inductors**

Split Differential
Up to 4 KVA



- **Common Mode Chokes**

Single Phase
3-Phase
Line Filtering
Up to 500 VA
15 - 2400 Hz



- **Planar Inductors**

Custom Primary/Secondary
Custom Mechanical Configurations

Inductors

- **Shielded Drum Core Inductors**



- **SMT Power Inductors**



- **Common Mode Chokes**
Up to 50 Amps



- **Planar Inductors**

CUSTOM MAGNETICS DESIGN/BUILD CAPABILITIES

PRODUCT CAPABILITY	PACKAGING	MAXIMUM POWER	MAXIMUM CURRENT	FREQUENCY
SINGLE INDUCTORS / SPLIT DIFFERENTIAL	Lamination, Toroidal, Tape Wound	4KVA		50Hz - 100kHz
COMMON MODE CHOKES - 1/3 Phase	Lamination, Toroidal, Tape Wound		500A	50Hz - 100kHz
CHOKES 3 PHASE (LINE FILTERING)	Lamination, Tape Wound		500A	50Hz - 100kHz
POWER TRANSFORMERS - 1 Phase	Lamination, Toroidal, Tape Wound	4KVA		50Hz - 100kHz
TRANSFORMERS - Laminated 3 Phase	Lamination, Toroidal, Tape Wound	10KVA		50Hz - 100kHz
TRANSFORMERS - Switchmode	Planar, Bobbin Wound, Toroidal	1KVA		20kHz - 1MHz
INDUCTORS - Switchmode Buck/Boost	Toroidal, Bobbin Wound	500VA		20kHz - 1MHz
TRANSFORMERS - Current Sense	Toroidal, Bobbin Wound	4KVA (burden)		50Hz - 1MHz
TRANSFORMER MODULES - Current Sense 1/3 Phase	Toroidal, Bobbin Wound	4KVA (burden)		50Hz - 1MHz
TRANSFORMERS - Gate Drive	Toroidal, Bobbin Wound			20kHz - 1MHz

TESTING SERVICES

Testing capabilities for product qualification and design validation

ELECTRICAL

- Inductance with or without DC
- Turns Ratio
- HI-POT - Vac up to 20kV, Vdc up to 6kV
- Insulation Resistance
- Distortion
- Pulse Testing
- Thermal Rise
- Impedance
- Q (up to 1MHz)
- 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

iNRCORE
 311 Sinclair Road
 Bristol, PA 19007
 U.S.A.

Tel: +1-215-781-6400
 Fax: +1-215-781-6403