



capabilities



transformer/inductor manufacturing

- automated and manual toroidal winding
- automated and manual bobbin and coil form winding
- soldering and termination (JSTD-001)
- assembly
- potting/impregnation
- coating
- baking
- solid wire, litz wire, copper foil
- coils made from bondable wire
- tuned RF inductors to +/- 2% tolerance

electronic manufacturing services

- process validation, risk assessment and PFMEA
- rapid prototype services
- turnkey assembly, validation, test, packing and shipping.
- qualified vendors: cable & harnessing, PCB/PCA, chassis, machined parts, Injection Molding
- EDI and inventory management

design

- linear, switching power and RF transformers and inductors
- frequency: 60 Hz to 100 MHz
- power (to 100 kW):
Isolation transformers, SMPS transformers, buck/boost inductors, resonant inductors, line reactors, RF transformers, gate drive transformers, current sense transformers
- RF and filtering:
common mode chokes, RF and resonant circuit inductors
- UL/CSA/VDE/TUV compliance



engineering

- 3D modeling – Solidworks
- 2D modeling – Autocad
- process validation, risk assessment, PFMEA
- turnkey solution for recognized designs, UL/CSA/VDE/TUV
- power magnetic device simulation

test

- inductance, capacitance, Q, impedance, phase angle (60 Hz to 1 Gigahertz)
- hypot: 100 Volts to 14 kV
- DCR: 0.5 milliohms to 1000 kilohms
- surge testing to 4 kV
- turns ratio/phasing
- fully automated transformer testing
- all test equipment is calibrated to NIST standards

