

По вопросам продаж и поддержки обращайтесь:

| | | | |
|-----------------------------|---------------------------------|--------------------------------|---------------------------|
| Алматы (7273)495-231 | Казань (843)206-01-48 | Новокузнецк (3843)20-46-81 | Смоленск (4812)29-41-54 |
| Архангельск (8182)63-90-72 | Калининград (4012)72-03-81 | Новосибирск (383)227-86-73 | Сочи (862)225-72-31 |
| Астрахань (8512)99-46-04 | Калуга (4842)92-23-67 | Омск (3812)21-46-40 | Ставрополь (8652)20-65-13 |
| Барнаул (3852)73-04-60 | Кемерово (3842)65-04-62 | Орел (4862)44-53-42 | Сургут (3462)77-98-35 |
| Белгород (4722)40-23-64 | Киров (8332)68-02-04 | Оренбург (3532)37-68-04 | Тверь (4822)63-31-35 |
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| Волгоград (844)278-03-48 | Курск (4712)77-13-04 | Ростов-на-Дону (863)308-18-15 | Тюмень (3452)66-21-18 |
| Вологда (8172)26-41-59 | Липецк (4742)52-20-81 | Рязань (4912)46-61-64 | Ульяновск (8422)24-23-59 |
| Воронеж (473)204-51-73 | Магнитогорск (3519)55-03-13 | Самара (846)206-03-16 | Уфа (347)229-48-12 |
| Екатеринбург (343)384-55-89 | Москва (495)268-04-70 | Санкт-Петербург (812)309-46-40 | Хабаровск (4212)92-98-04 |
| Иваново (4932)77-34-06 | Мурманск (8152)59-64-93 | Саратов (845)249-38-78 | Челябинск (351)202-03-61 |
| Ижевск (3412)26-03-58 | Набережные Челны (8552)20-53-41 | Севастополь (8692)22-31-93 | Череповец (8202)49-02-64 |
| Иркутск (395)279-98-46 | Нижний Новгород (831)429-08-12 | Симферополь (3652)67-13-56 | Ярославль (4852)69-52-93 |
| Россия (495)268-04-70 | Киргизия (996)312-96-26-47 | Казахстан (7172)727-132 | |

Custom Capabilities Power Transformers All Switch Mode Power Topologies



PRODUCT TYPES

- Switch mode power topologies: flyback, forward converter, push / pull, full bridge, half bridge, LLC resonant, isolated buck
Capabilities:
 - Frequencies to 10 MHz+
 - Power levels to 10 kVA
- Gate-drive transformers
Capabilities:
 - Frequencies to 500 kHz
 - MOSFET / IGBT voltages to 1200 V
- Current sense transformers
Capabilities:
 - Frequencies from 50 Hz / 60 Hz to > 10 kHz
 - Current to 5000 A
- Linear single phase and three phase power transformers
Capabilities:
 - Frequencies to 50 Hz / 60 Hz, 400 Hz
 - Power levels to 10 kVA

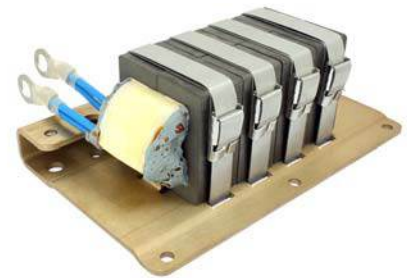
OVERALL CAPABILITIES

- Operating temperature range from -55 °C to +220 °C
- Designed to meet UL, CSA, VDE, and IEC safety requirements
- Ruggedized packages for extreme environments
- AEC-Q200 qualified (automotive compliant)
- Space grade compliant to MIL-STD-981
- Multi-site manufacturing - USA, Dominican Republic, Mexico, China

MATERIAL / PROCESS CAPABILITIES

- Conductor geometries: litz wire, foil, round magnet wire, rectangular magnet wire, square magnet wire, planar, stamped windings
- Conductor materials: copper, aluminum
- Core materials: ferrite, powdered iron alloys, MPP, high flux, Kool Mu®, amorphous, tape wound, laminated
- Terminations: through-hole, SMD, press fit, flying lead
- Potted and vacuum varnish impregnated
- Lead (Pb)-free capability
- Automated winding, soldering, assembly, and test capability
- SOLIDWORKS® and AutoCAD 3D design software

Custom Capabilities Power / Filter Inductors



PRODUCT TYPES

- Power inductors: drum cores, toroids, rod cores, E cores, U cores, pressed powder
Capabilities:
 - Frequencies < 5 MHz
 - Current to 1000 A
- Common mode chokes - toroidal, E cores
Capabilities:
 - Frequencies to 30 MHz
 - Currents to 50 A
- Differential mode chokes - E cores, U cores, rod cores, toroidal cores
Capabilities:
 - Frequencies to 30 MHz
 - Currents to 50 A
- Line reactors: flat wire winding construction
Capabilities:
 - Current to 1000 A

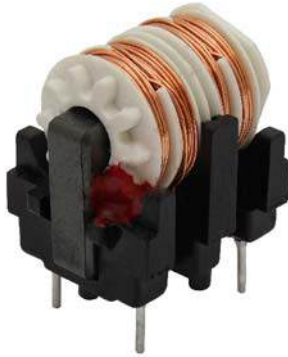
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MATERIAL / PROCESS CAPABILITIES

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- Conductor materials: copper, aluminum
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- Terminations: through-hole, SMD, press fit, flying lead
- Potted and vacuum varnish impregnated
- Lead (Pb)-free capability
- Automated winding, soldering, assembly, and test capability
- SOLIDWORKS[®] and AutoCAD 3D design software

Custom Capabilities Power Pulse Transformer



PRODUCT TYPES

- High voltage pulse transformers
- Capabilities:
 - Frequencies to 10 MHz
 - Voltage to 10 000 V

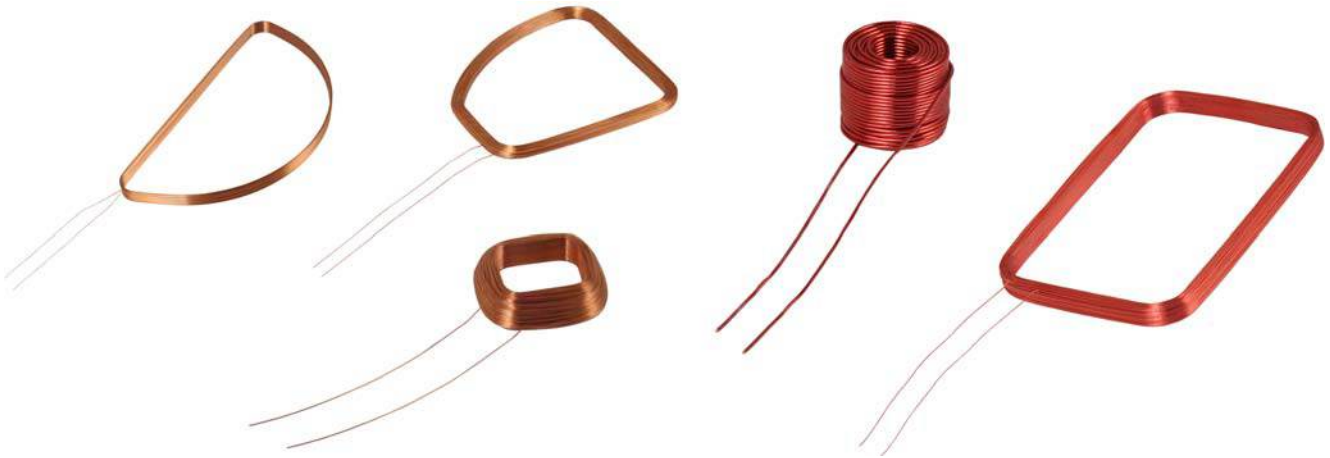
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MATERIAL / PROCESS CAPABILITIES

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- Conductor materials: copper, aluminum
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- Terminations: through-hole, SMD, press fit, flying lead
- Potted and vacuum varnish impregnated
- Lead (Pb)-free capability
- Automated winding, soldering, assembly, and test capability
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Custom Capabilities Antenna Coils



PRODUCT TYPES

- Telemetry coils
 - Miniature coil sizes available
- Recharge Coils
 - Miniature coil sizes available

OVERALL CAPABILITIES

- Value added services for assembly and packaging
- Operating temperature range from -40 °C to +130 °C
- Closed loop cleaning / testing system to verify cleanliness (mega ion)
- Multi-site manufacturing - USA, Dominican Republic, Mexico, China

MATERIAL / PROCESS CAPABILITIES

- Conductor geometries: litz wire, round magnet wire
- Ultra fine wire handling to #58 AWG
- Ability to wind various coil shapes
- Ability to overmold various coil shapes and customize carrier assemblies and connection
- Core materials: ferrite and air
- Terminations: soldered or welded
- Lead (Pb)-free capability
- Automated winding, soldering, assembly, and test capability
- SOLIDWORKS® and AutoCAD 3D design software

Custom Capabilities Audio and RF Transformers, Specialty Magnetics



PRODUCT TYPES

- Audio coupling transformers
Capabilities:
 - Frequencies up to 20 kHz
- RF transformers
Capabilities:
 - Frequencies up to 1 GHz

OVERALL CAPABILITIES

- Operating temperature range from -55 °C to +220 °C
- Designed to meet UL, CSA, VDE, and IEC safety requirements
- Ruggedized packages for extreme environments
- AEC-Q200 qualified (automotive compliant)
- Space grade compliant to MIL-STD-981
- Multi-site manufacturing - USA, Dominican Republic, Mexico, China

MATERIAL / PROCESS CAPABILITIES

- Conductor geometries: litz wire, foil, round magnet wire, rectangular magnet wire, square magnet wire, planar, stamped windings
- Conductor materials: copper, aluminum
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