



YOUR TRUSTED SOURCE FOR CUSTOM SOLUTIONS

Vanguard Electronics has over 70 years of experience designing and manufacturing high-reliability inductors and transformers, establishing refined procedures to guarantee the highest quality and most reliable parts to meet requirements of MIL-STD-981, EEE-INST-002 and TOR.

KEY OFFERINGS

- Standard catalog or custom products
- Materials used meet ASTM E595 outgassing requirements
- Power from low mW to kW
- Frequencies from 50Hz to 6GHz
- Temperature range from -55°C to +200°C
- Build-to-print or bringing a conceptual design to reality

SPECIFICATIONS SUPPORTED

- MIL-STD-981
- MIL-PRF-27
- EEE-INST-002

ESA

- AS9100
- CUSTOM / SCD
- AEROSPACE TOR
- QPL OFFERING

HIGH-RELIABILITY MAGNETICS

Throughout the years, Vanguard Electronics has proven itself as a leading source of magnetics for the space industry with standard and custom inductors and transformers designed-in on hundreds of space programs.







PULSE & DATA BUS

- QPL: MIL-PRF-21038/27
- MIL-STD-1553
- · Military, Commercial, Space Grade options
- · Custom & SCD

POWER MAGNETICS

- · High power density
- · Low core & copper losses
- · Efficient thermal management
- · Power levels to 10kW+, voltages to 40kV+
- Temperature range from -55°C to +200°C

RF & MICROWAVE

- · Air cores, chip inductors, wideband transformers
- · Achieving electrical characteristics to 3 Ghz+
- QPL, space, COTS+, & custom solutions
- Gullwing, surface mount, thru-hole, radial, flying leaded mounting options

	CATALOG	CUSTOM
RF INDUCTORS	S SERIES	✓
RF BEADS	RFB/SRFB	✓
RF WIDEBAND BALUN	S SERIES, SUWB, SXB	✓
POWER INDUCTORS	S60K, S62K, SPL24, SPL25, SPL33	✓
PLANAR INDUCTORS	SHILO	✓
POWER TRANSFORMERS	S60K, S42K	✓
COMMON MODE TRANSFORMERS	SCM, SCMN	✓
CURRENT SENSE TRANSFORMERS	SCS	✓
FLYBACK TRANSFORMERS	HVFB, FB	✓
GATE DRIVE TRANSFORMERS	SGD	✓
ISOLATION TRANSFORMERS	SIT	✓
PULSE TRANSFORMERS	SPT	✓
CUSTOM DESIGNS		

- Custom tooling, fixtures, & fabrication
- · Encapsulation, varnish, impregnation & transfer molding
- Cleanrooms

- Order from low to high volume
- Vertically integrated
- AS9100 & ITAR facilities in California & Mexico
- Advanced environmental laboratory for complete MIL-STD testing