



Gowanda excels in the design and manufacturing of custom inductors, transformers, chokes, specialty magnetic devices. We have been manufacturing and designing custom magnetics for over 40 years. Our manufacturing and engineering capability in this specialized field has earned us well-deserved respect from our customers and admiration by others in this industry.

Whether you need a few pieces or thousands, **Gowanda** can produce your custom coil, inductor, choke or other magnetic devices to the highest levels of quality specifications and industry standards. Using state-of-the-art equipment, manufacturing techniques and testing equipments assures that we will always be on the cutting edge of wound-product technology.

Our engineering staff will work closely with your design team on new application requirements – from concept to final testing – ensuring that you obtain the custom solution that meets your exact requirements. We offer timely prototype development and delivery, to help your design process run smoothly and efficiently. We pride ourselves on our speed-of-response. Our design team can generate a design solution that exceeds your specifications in a minimal amount of time. Almost immediately, Gowanda will quote and build prototypes to validate the design solution. If needed, we can benchmark existing components and provide technical solutions to address issues early in the design phase.

Gowanda's prototype development utilizes the same equipment and personnel as that used for production quantities, to assure that prototypes are truly representative of production scale. This assures that quality and reproducibility are seamless, as the switch is made from development prototypes to production quantities.

Our inhouse Environmental Test Lab offers our customers a full range of reliability testing to full qualification documentation.

The following table provides an overview of **Gowanda's** capabilities for custom inductors and transformers. This table and additional information about **Gowanda's** custom product capabilities can be found at: www.gowanda.com *Please contact us for additional assistance.*

CUSTOM DESIGN OPTIONS

	RF		POWER	
	CUSTOM INDUCTORS	CUSTOM TRANSFORMERS	CUSTOM INDUCTORS	CUSTOM TRANSFORMERS
Materials *				
Air	X	X		
Ferrites	X	X	X	X
Powdered Iron	X	X	X	X
Kool Mu Toroids			X	X
Phenolics	X	X	X	X
MPP Toroids			X	X
High Flux Toroids			X	X
Thermal Classes				
Compliance to NEMA	X	X	X	X
Temp Ratings to 200°C	X	X	X	X
Wire Sizes & Styles				
Wire size up to 49AWG	X	X	X	X
Single or Multi-stranded	X	X	X	X
Litz – custom	X	X		
Frequency Ranges				
250KHz to 1800MHz	X	X	X	X
1KHz to 2.00MHz			X	X
Mounting				
Surface Mount (SMT)	X	X	X	X
Thru-Hole	X	X	X	X
Headers				
Ceramic	X	X	X	X
FR4 (soft PCB)	X	X	X	X
G10	X	X	X	X
Molded	X	X	X	X
Self-Leaded	X	X	X	X
Standard off-the-shelf			X	X
Encapsulants				
Epoxy Potting	X	X	X	X
Vacuum Impregnated	X	X	X	X
Varnish Coated	X	X	X	X
Thermal Set Epoxy Overmold	X		X	
Ferrite Loaded Potting	X	X	X	X