

Gowanda excels in the design and manufacture of custom inductors, transformers, chokes, specialty products and related magnetic devices. We have been manufacturing and designing custom magnetics for over 40 years. Our manufacturing and engineering capabilities in this specialized field have earned us well-deserved respect from our customers and admiration by others in the 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 equipment 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 requirement. 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 meets 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 in house Environmental Test Lab offers our customers a full range of reliability testing with full documentation.

The following table provides an overview of Gowanda's capabilities for custom inductors and custom 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*				
Ferrites	X	X	X	X
Powdered Irons	X	X	X	X
Kool Mu	X	X	X	X
Phenolics	X		X	
MPP		X	X	X
High-Flux			X	X
Thermal Classes*				
Compliance to NEMA	X	X	X	X
Temp Ratings to 200°C	X	X	X	X
Wire Sizes & Styles*				
Wire sizes up to 49AWG	X	X	X	X
Single & Multi Strand	X	X	X	X
Frequency Ranges*				
250 KHz to 1.8 GHZ	X	X		
1 KHz to 2 MHz			X	X
Mountings*				
Surface Mount	X	X	X	X
Thru-Hole	X	X	X	X
Headers*				
Ceramic	X	X	X	X
FR4	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*				
Potting	X	X	X	X
Vacuum Impregnation	X	X	X	X
Varnish Coating	X	X	X	X
Thermal Set Epoxy Overmold	X		X	

*If you are interested in options other than those listed here, please contact Gowanda to discuss your specific requirements.