

Switch Mode Power Supply Inductors

Rugged designs filter out noise from electrical and electronic power control circuits.

Features

- Available in medium-current and high-current toroidal construction
- 10 Watts to 1,000 Watts with low power losses
- Performance verified from 5 to 100 kHz power supply, as per design requirements
- Open winding, semi-encapsulated, encapsulated construction
- Custom designs up to 100 Amps
- RoHS compliant versions available

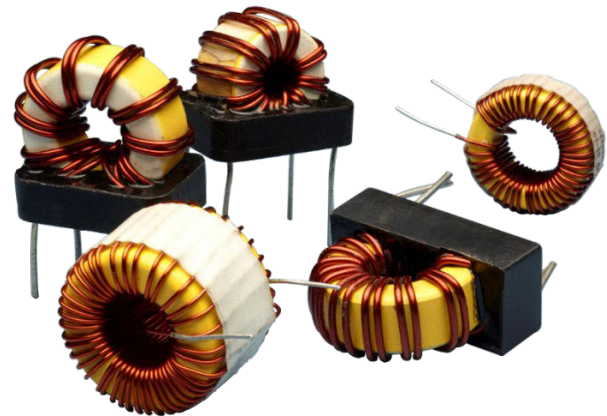
Inductors Design Capabilities

If you are looking for efficiency, size, accuracy, or any other parameters, APITech will analyze the circuit and work with your design team to find the optimum solution to improve equipment performance:

- Save space
- Optimize efficiency by increasing the space
- Produce an EMI inductor that fits a specific profile
- Fix a failure mode with another inductor component

Applications

- AC electronic equipment
- Radio equipment
- Energy storage
- DC-DC converters
- Telecommunications equipment
- Industrial equipment



Specification Ranges

Power (VA)	Idc (Amps)	L min (μH) @ Rated Idc	L min (μH) @ Zero	DCR nom (Ohms)	Min Energy Storage (μ Joule)	Dimensions	
						OD Nom	HT Nom
10 – 1000	1 – 100	5 – 1250	7 – 1250	0.001 – 0.53	240 – 25000	0.25 – 2.3	0.25 – 2.0

Who We Are

APITech’s magnetics product engineers have over 70 combined years of design and testing experience producing a broad range of magnetic devices. APITech will work directly with design engineers to collaborate on the development of “difficult to meet” requirements.

APITech manufactures its magnetic components in the USA and Mexico. Product line capabilities include parts that require special features, non-RoHS builds, and parts requiring coordination with a customer’s manufacturing site. APITech has the technical expertise to offer custom products or to verify that a standard product will function within the required circuit design.