Gowanda Electronics
One Magnetics Parkway
Gowanda, New York 14070
Tel: (716) 532 - 2234 Fax: (716) 532 -2702

Air Coil Design Form

Company / Division: _____

Contact: _____ Telephone: _____

Address: _____

City, State, Zip: _____

Email: _____

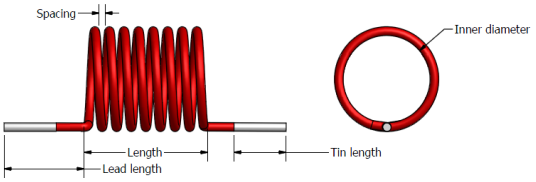
Application & Part Number: _____

Project Name: _____ EAU: _____ Target Price: _____

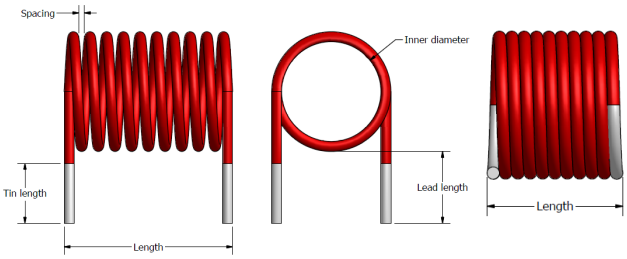
Prototype Date: _____ Production Date: _____

Preferred Winding Configuration: ◯ Fly Leads ◯ Thru- Hole ◯ Surface Mount Other: _____

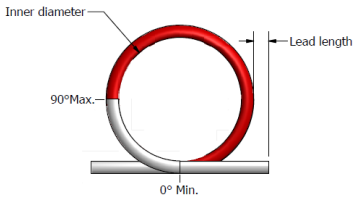
(See below examples for standard configurations)



Fly Leads



Thru-Hole



Surface Mount

Winding Dimensions:

Inner Diameter (in): _____ Spacing (in): _____ Max. / Min. tinning angle (deg): _____ (Surface Mount Only)

Lead Length (in): _____ Tin Length (in): _____

- Standard is to tin in-between 90° and 0° (depending on size)

◯ If standard is acceptable check circle

Additional Winding Information:

Wire Gage: _____ Number of Turns: _____

Conductor Material: _____ (Gold, Copper, Silver, etc.)

Insulation Material: _____ or temperature class

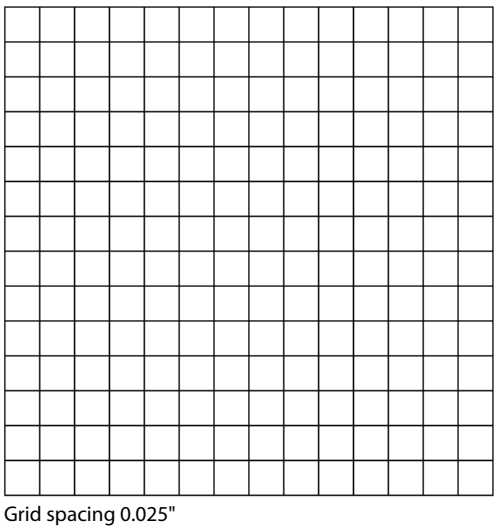
Temperature Class: ◯ 130°C ◯ 155°C ◯ 180°C ◯ 200°C

Winding Direction: _____ (Right Hand or Left Hand)

- All above examples are drawn in the right hand winding direction

Standard plating: 100% tin

Foot Print



- Grid spacing 0.025"

Electrical Information (optional):

Inductance: _____ (nH) @ frequency, voltage: _____

Q (Min.): _____

SRF (Min): _____ (MHz)

DCR: _____ (mΩ)

Current Rating: _____ (Adc)

Are there any other magnetics that we can help you design?

◯ Inductors ◯ Common Mode ◯ Current Sense

◯ Power Transformer ◯ Switchmode Transfomer

Notes

Print Form

Submit by Email