ISI INDUCTOR SUPPLY, INC.

Power, Filter and Switchmode Inductor Design Information

CONTACT INFORMATION

Contact Person _____ E-Mail _____

Phone # _____ - _____ - _____ Fax # _____ - _____ - _____ Company _____

General Application of this product: _____

ELECTRICAL REQUIREMENTS

Application: Power/Energy Storage or Filter/Frequency Selection

L: _____ H

DC Bias: _____ Adc

L @ DC Bias: _____ H

Q Min. @ nominal L: _____

% of Saturation (Max.): _____ %

AC Current or Voltage Level: _____ Aac or Vac

DC Current or Voltage Level: _____ Adc or Vdc

Impedance: _____ Ohms @ _____ Hz

Frequency (range): _____ Hz

SRF: _____ Hz

ET: _____ V-µsec

DCR (Max.): _____ Ohms

Dielectric Rating: _____ Vac/Vdc

Operating Temperature Range: _____ to _____

Maximum Temperature Rise (°C): 10 20 30 40 50 ___

SCHEMATIC

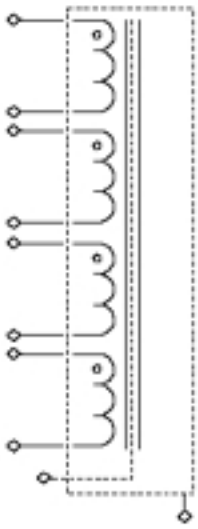
Voltage: _____ AC or DC
Current: _____ Rms or Peak
Other: _____

Voltage: _____ AC or DC
Current: _____ Rms or Peak
Other: _____

Voltage: _____ AC or DC
Current: _____ Rms or Peak
Other: _____

Voltage: _____ AC or DC
Current: _____ Rms or Peak
Other: _____

Screen or Shield
Thick: _____
Material: _____



Buck and Boost Inductors		
Input Voltage	_____	V
Output Voltage	_____	V
Switching Frequency:	_____	Hz
Maximum DC Output Current:	_____	A
Minimum DC Output Current:	_____	A
Maximum Duty Cycle:	_____	%
Minimum Duty Cycle:	_____	%
AC Ripple:	_____	%

Budgetary/Target Price:
_____@____ pcs.

Outer Shield
Thick: _____
Material: _____

Pin Requirements

Grid Units: _____

PHYSICAL REQUIREMENTS

Flame Retardant: Yes No
Standard Varnish: Yes No
Encapsulated: Yes No
Hermetically Sealed: Yes No
Shielded: Yes No

Mounting Style: Vertical or Horizontal
Thru Hole Surface Mount Flying Leads Other _____

Inside Diameter (Min.): _____
Length (Max.): _____
Width (Max.): _____
Height (Max.): _____

Temperature Class (°C):
105 130 155 180 200

OTHER REQUIREMENTS

_____
_____
_____
_____(Continue on separate sheet if necessary)

PRIORITIZATION (1-HIGHEST)

_____ Size
_____ Efficiency
_____ Cost