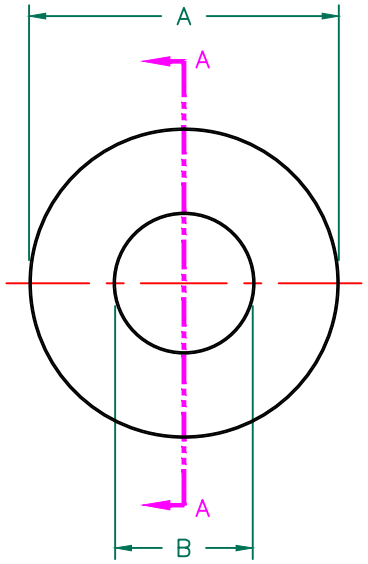
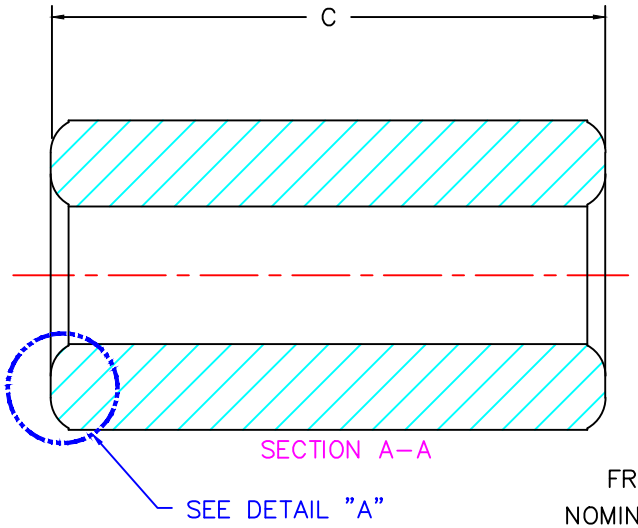
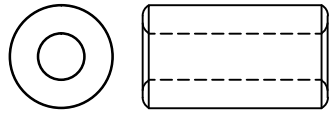




SCALE DRAWING 1:1

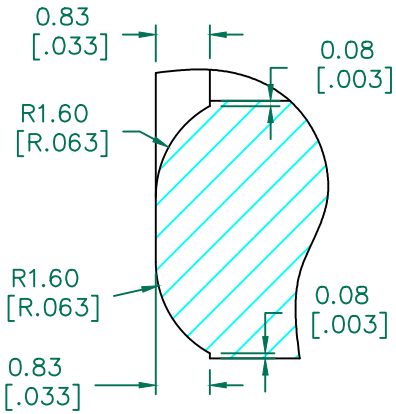


LFB143064–000

RoHS

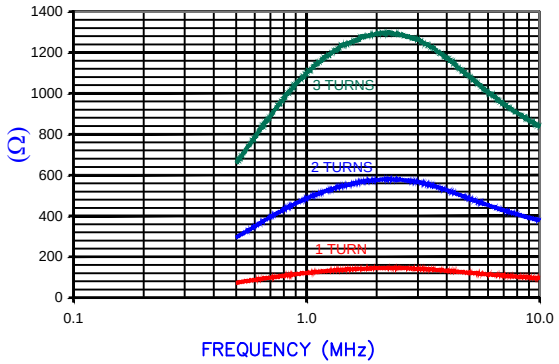
IMPEDANCE (Z) NET SEE NOTE 1

FREQUENCY	500 KHz	1 MHz	5 MHz
NOMINAL (REF.) 1 TURN	70 Ω	122 Ω	120 Ω
MINIMUM (SPEC.) 1 TURN	– Ω	97 Ω	– Ω
NOMINAL (REF.) 2 TURNS	290 Ω	490 Ω	480 Ω
NOMINAL (REF.) 3 TURNS	650 Ω	1100 Ω	1080 Ω



DETAIL "A"
CHAMFER
SCALE=9:1

Z vs. FREQUENCY
1 TURN, 2, AND 3 TURNS
(REF. ONLY)



AGILENT E4991A RF Impedance/Material Analyzer
HP 16092A Test Fixture REF# 2695

TEST CRITERIA

METER	HP4396A OR EQUIVALENT
FIXTURE	HP16092A OR EQUIVALENT

NOTES:

1. NET IMPEDANCE IS IMPEDANCE OF THE FERRITE CORE ONLY. ALL IMPEDANCE CONTRIBUTION FROM TEST WIRE AND FIXTURES HAS BEEN REMOVED.
2. COSMETIC SPECIFICATION REFER TO WI–QA–038.

FERRITE CORE DIMENSIONS (SPEC):

A	14.27 [.562]	±	0.40 [.016]
B	6.35 [.250]	±	0.40 [.016]
C	28.58 [1.125]	±	0.70 [.028]

WEIGHT/1000 17.29 kgs [38.12 Lbs]

DIMENSIONS ARE IN mm [INCHES].

REV	DESCRIPTION	DATE	INT
E	UPDATE TOLERANCE AND DETAIL A	07/06/17	QIU
D	UPDATE COMPANY LOGO	07/13/08	TMB
C	REMOVE MIN SPEC @ 500 KHz & 5 MHz	02/10/06	TMB
B	UPDATE TOLS. ON DIMENSIONS A,B&C ADD TEST REF TO CURVE	12/22/04	JRK
A	ORIGINAL DRAFT	09/30/02	TMB

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Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
LFB143064–000	E	FERRITE CORE	TMB
DATE: 09/30/02	SCALE: 3:1	MATERIAL: LF	
CAD # LFB143064–000–E	TOOL # B0562		