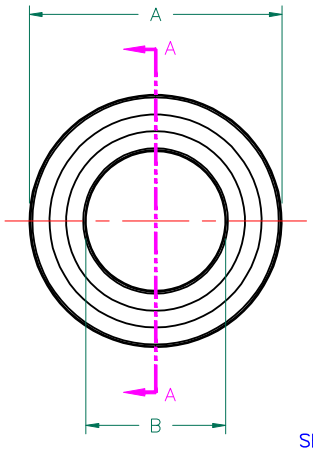
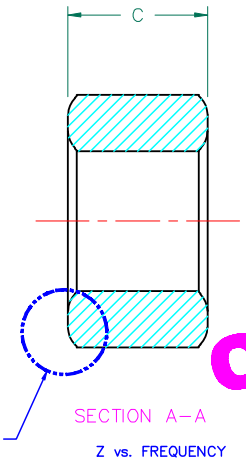




SCALE DRAWING 1:1

LFB180100–000

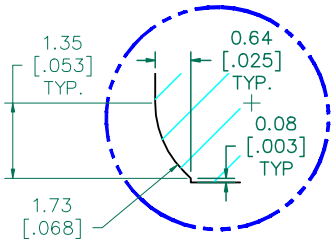
OBSOLETE

IMPEDANCE (Z) NET SEE NOTE 1

FREQUENCY	500 KHz	1 MHz	5 MHz
NOMINAL (REF.) 1 TURN	18 Ω	31 Ω	29 Ω
MINIMUM (SPEC.) 1 TURN	– Ω	23 Ω	– Ω
NOMINAL (REF.) 2 TURNS	75 Ω	138 Ω	115 Ω
NOMINAL (REF.) 3 TURNS	170 Ω	310 Ω	260 Ω

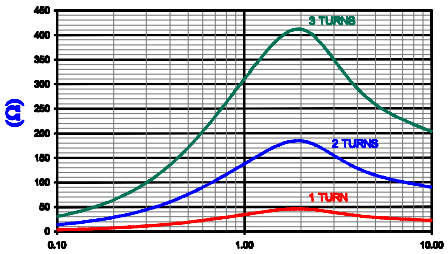
TEST CRITERIA

METER	HP4396A OR EQUIVALENT
FIXTURE	HP16092A OR EQUIVALENT



DETAIL "A"
CHAMFER
SCALE=10:1

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



AGILENT E4991A RF Impedance/Material Analyzer
HP 16092A Test Fixture REF 2491

NOTES:

1. NET IMPEDANCE IS IMPEDANCE OF THE FERRITE CORE ONLY. ALL IMPEDANCE CONTRIBUTION FROM TEST WIRE AND FIXTURES HAS BEEN REMOVED.

FERRITE CORE DIMENSIONS (SPEC):

A	18.10 [.713]	±	0.38 [.015]
B	10.00 [.394]	±	0.38 [.015]
C	10.00 [.394]	±	0.25 [.010]

WEIGHT/1000 8.23 kgs [18.15 Lbs]

DIMENSIONS ARE IN mm [INCHES].

REV	DESCRIPTION	DATE	INT
D	UPDATE COMPANY LOGO	07/13/08	TMB
C	REMOVE MIN SPEC @ 500 KHz	02/10/06	TMB
B	ADJUST TOLERANCES ADD TEST REF #	12/27/04	JRK
A	ORIGINAL DRAFT	09/27/02	TMB

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Laird TECHNOLOGIES

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
LFB180100–000	D	FERRITE CORE	TMB

DATE:	SCALE:	MATERIAL:
09/27/02	2.5:1	LF

CAD # LFB180100–000–D TOOL # B0709

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