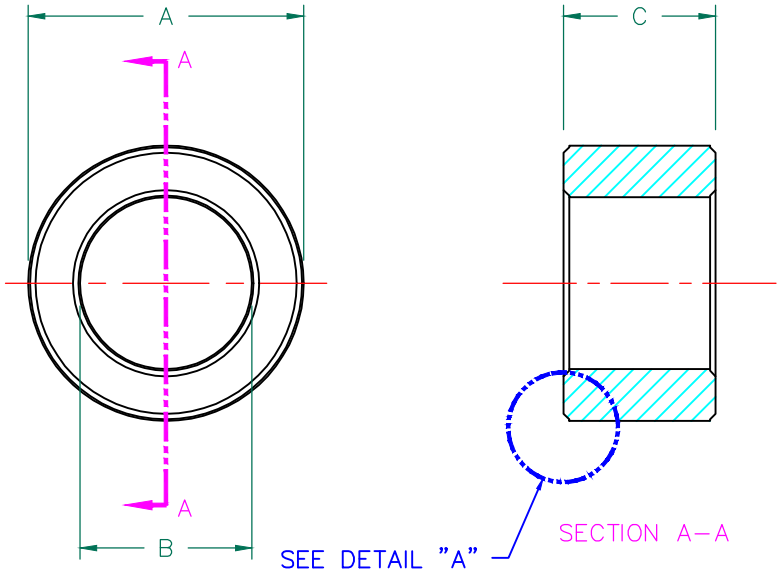


UNCONTROLLED DOCUMENT

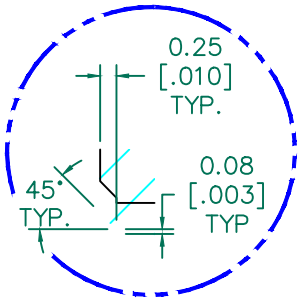
RoHS

SCALE DRAWING 1:1

LFB127079–000

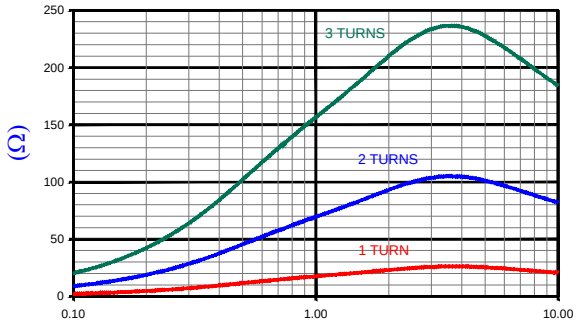
IMPEDANCE (Z) NET SEE NOTE 1

FREQUENCY	500 KHz	1 MHz	5 MHz
NOMINAL (REF.) 1 TURN	9 Ω	16 Ω	25 Ω
MINIMUM (SPEC.) 1 TURN	– Ω	12 Ω	– Ω
NOMINAL (REF.) 2 TURNS	45 Ω	70 Ω	102 Ω
NOMINAL (REF.) 3 TURNS	100 Ω	158 Ω	228 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 # 2491

TEST CRITERIA

METER	HP4396A OR EQUIVALENT
FIXTURE	HP16092A OR EQUIVALENT

NOTES: UNLESS OTHERWISE SPECIFIED

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	12.70 [.500]	±	0.25 [.010]
B	7.92 [.312]	±	0.25 [.010]
C	7.00 [.276]	±	0.18 [.007]

WEIGHT/1000 2.65 kgs [5.84 Lbs]

REV	DESCRIPTION	DATE	INT
	DIMENSIONS ARE IN mm [INCHES].		
E	UPDATE COMPANY LOGO	07/22/15	QIU
D	UPDATE COMPANY LOGO	07/13/08	TMB
C	REMOVE MIN SPEC @ 500 KHz	02/10/06	TMB
B	UPDATE TOLS. ON DIMENSIONS A,B&C ADD TEST REF TO CURVE	12/22/04	JRK
A	ORIGINAL DRAFT	09/26/02	TMB

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Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
LFB127079–000	E	FERRITE CORE	TMB
DATE: 09/26/02	SCALE: 3:1	MATERIAL: LF	
CAD # LFB127079–000–E	TOOL # B0500		