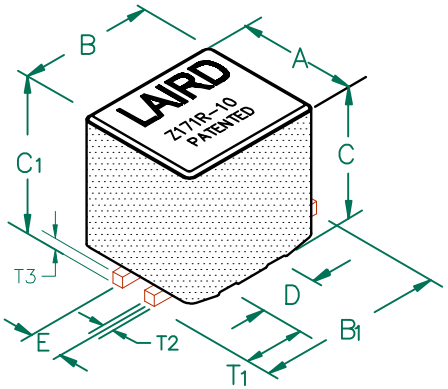
CM3440Z171R-10

PHYSICAL DIMENSIONS:

A	8.51 [.335]	± 0.13 [.005]
B	10.03 [.395]	± 0.15 [.006]
B_1	11.05 [.435]	MAX
C	9.32 [.367]	± 0.15 [.006]
C_1	10.49 [.413]	MAX.
D	4.06 [.160]	± 0.13 [.005]
E	2.54 [.100]	± 0.13 [.005]

WIRE:

T_1	3.56 [.140]	± 0.25 [.010]
T_2	0.76 [.030]	TYP.
T_3	0.76 [.030]	TYP.



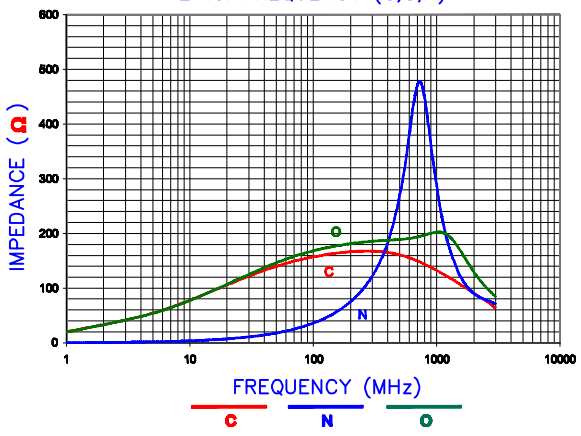
ELECTRICAL CHARACTERISTICS:				
Z @ 100MHz (Ω)		DCR (Ω)	Rated Current	Rated Voltage (VDC)
Nominal	170			
Minimum	128			
Maximum	–	0.001	20,000 mA	100

NOTES: UNLESS OTHERWISE SPECIFIED

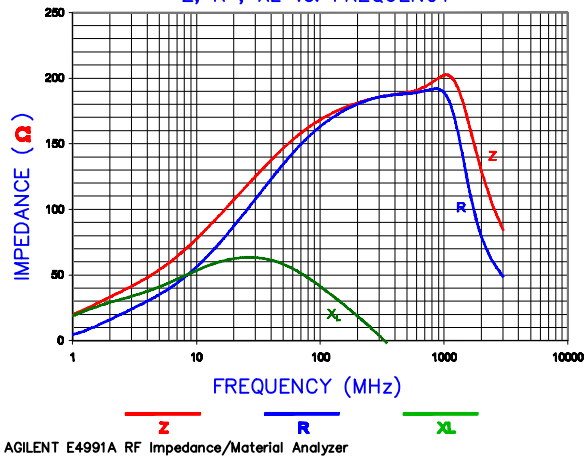
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 13" REELS, 375 PCS/REEL.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. REF. CARRIER TAPE SPECIFICATION CART3440-6P.
4. TERMINATION FINISH IS 100% TIN.
5. THIS PART HAS NO PIN POLARITY.
6. OPERATION TEMPERATURE (INCLUDING SELF-HEATING): -40 ~ +125°C.

UNCONTROLLED DOCUMENT

Z vs. FREQUENCY (C,O,N)

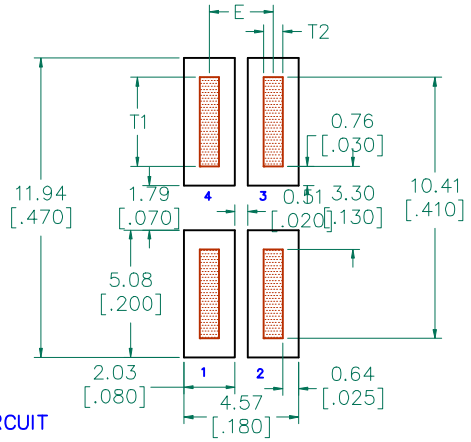


Z, R , XL vs. FREQUENCY

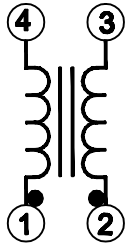


AGILENT E4991A RF Impedance/Material Analyzer
HP 16194A Test Fixture. TEST REF. 3007

LAND PATTERNS FOR REFLOW SOLDERING

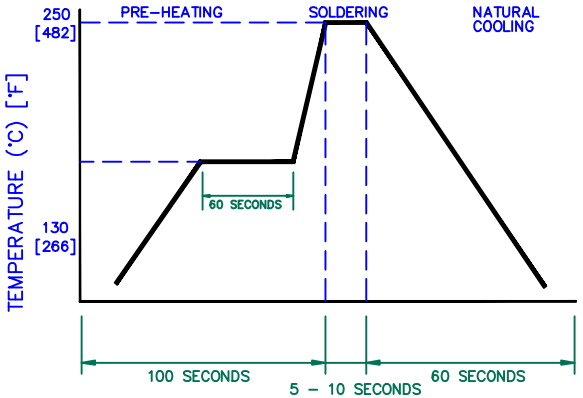


EQUIVALENT CIRCUIT



RECOMMENDED SOLDERING CONDITIONS

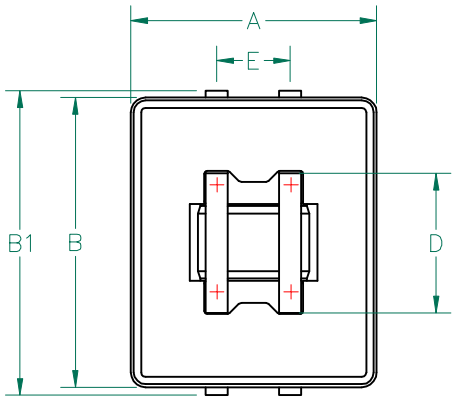
REFLOW SOLDERING

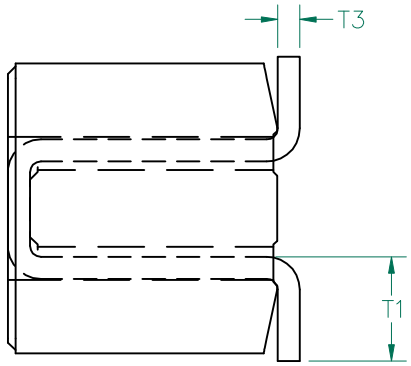


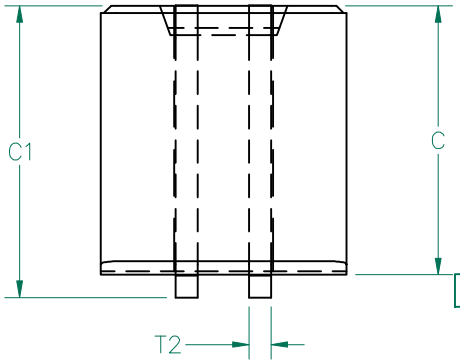
	DIMENSIONS ARE IN mm (INCHES).		
D	ADD RATED VOLTAGE AND NOTE 6	08/30/12	QIU
C	UPDATE COMPANY LOGO & KAPTON LABEL ADD EQUIVALENT CIRCUIT	11/18/08	JRK
B	UPDATE COMPANY LOGO	11/28/07	JRK
A	ORIGINAL DRAFT	5/27/04	JRK
REV	DESCRIPTION	DATE	INT

Laird TECHNOLOGIES

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
CM3440Z171R-10	D	ASSEMBLY	JRK
DATE: 5/27/04	SCALE: NTS	SHEET: 2 of 3	
CAD # CM3440Z171R-10-D-2	TOOL # H0335		







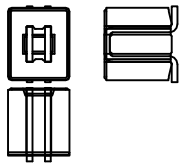
0.10 (.004)
SEATING PLANE
(CO-PLANARITY)

RoHS 2002/95/EC

UNCONTROLLED DOCUMENT

Pb

SCALE DRAWING 1:1



CM3440Z171R-10

ELECTRICAL TESTING

TEST:	GROSS Z	GROSS Z
# TURNS	1	1
AWG	22	22
FREQUENCY	25 MHz	100 MHz
NOMINAL	– Ω	170 Ω
MINIMUM	– Ω	128 Ω
WEIGHT/1000	3.51 kgs.	7.73 lbs.

DIMENSIONS:

A	8.51 [.335]	±	0.13 [.005]
B	10.03 [.395]	±	0.15 [.006]
B_1	11.05 [.435]		MAX
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WIRE DIMENSIONS:

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T_2	0.76 [.030]		TYP.
T_3	0.76 [.030]		TYP.

NOTES: UNLESS OTHERWISE SPECIFIED

1. WIRE: REFERENCE STEWARD WIRE PURCHASE SPEC. W0040-61.
2. IMPEDANCE VALUES ARE GROSS, MEASURED USING W0040-61 WIRE PLACED AGAINST END OF SLOT w/ NO D.C. BIAS.
3. REFERENCE STEWARD CORE 24H0335-600.
4. NO MORE THAN 0.18 [.007] DIFFERENCE FROM THE LONGEST TO THE SHORTEST CONDUCTOR ON ONE SIDE.
5. TERMINATION FINISH IS 100% TIN.
6. THIS PART HAS NO PIN POLARITY.

REV	DESCRIPTION	DATE	INT
	DIMENSIONS ARE IN mm (INCHES).		
D	ADD RATED VOLTAGE AND NOTE 6	08/30/12	QIU
C	UPDATE COMPANY LOGO & KAPTON LABEL ADD EQUIVALENT CIRCUIT	11/18/08	JRK
B	UPDATE COMPANY LOGO	11/28/07	JRK
A	ORIGINAL DRAFT	5/27/04	JRK

Laird TECHNOLOGIES

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
CM3440Z171R-10	D	ASSEMBLY	JRK

DATE:	SCALE:	SHEET:
5/27/04	NTS	3 of 3

CAD #	TOOL #
CM3440Z171R-10-D-3	H0335