

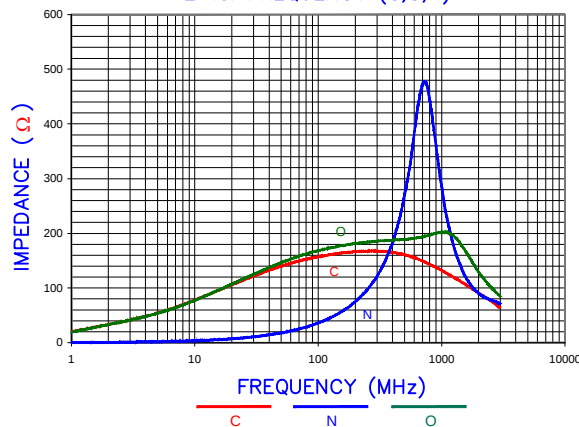
PHYSICAL DIMENSIONS:

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]

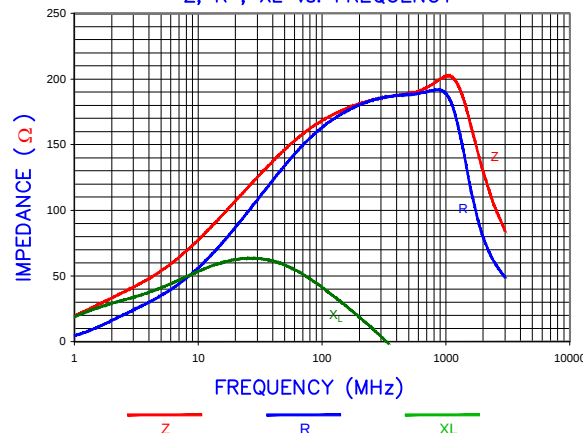
WIRE:

T ₁	3.56	[.140]	± 0.25	[.010]
T ₂	0.76	[.030]	TYP.	
T ₃	0.76	[.030]	TYP.	

Z vs. FREQUENCY (C,O,N)

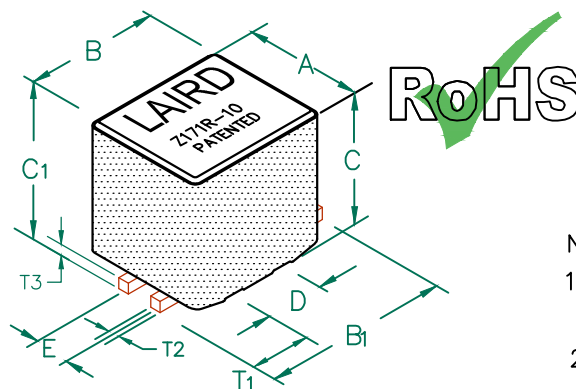


Z, R , XL vs. FREQUENCY



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

CM3440Z171R-10



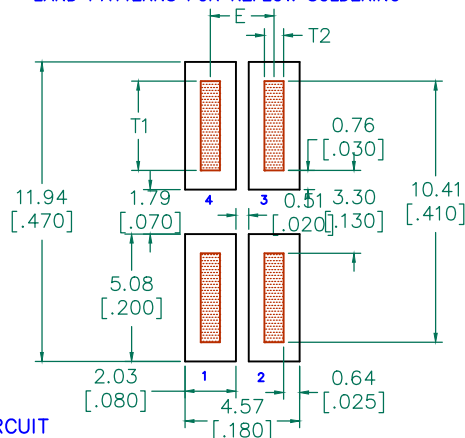
ELECTRICAL CHARACTERISTICS:

Z @ 100MHz (Ω)	DCR (Ω)	Rated Current
Nominal	170	
Minimum	128	
Maximum	—	0.001 20,000 mA

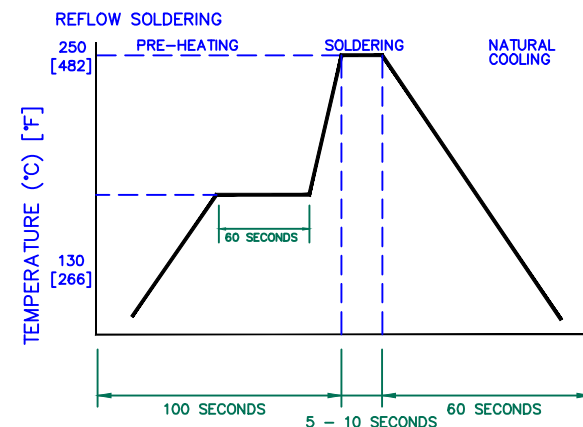
NOTES: UNLESS OTHERWISE SPECIFIED

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.

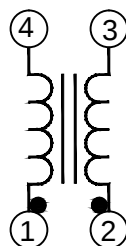
LAND PATTERNS FOR REFLOW SOLDERING



RECOMMENDED SOLDERING CONDITIONS

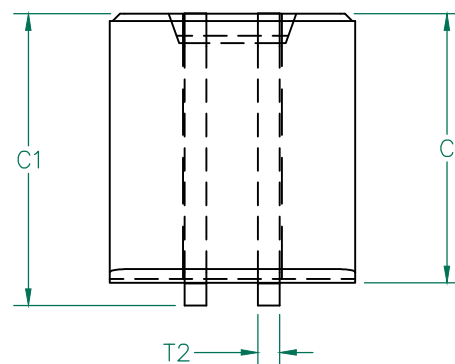
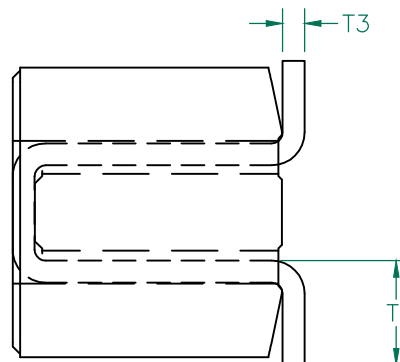
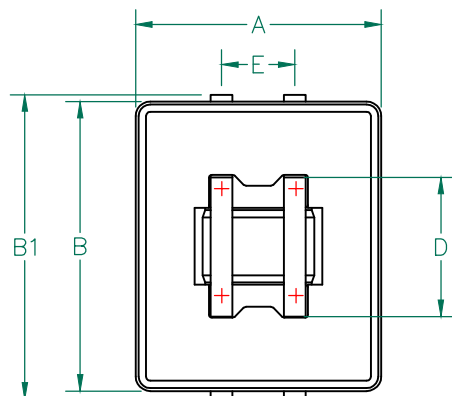


EQUIVALENT CIRCUIT



DIMENSIONS ARE IN mm (INCHES).				This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved.			
D	ADD NOTE 6	08/30/12	QIU	PROJECT/PART NUMBER: CM3440Z171R-10			
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				
DATE: 5/27/04				SCALE: NTS	SHEET: 1 of 2		
CAD # CM3440Z171R-10-D-1				TOOL # HQ335			

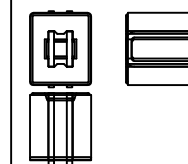
Laird



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

RoHS

SCALE DRAWING 1:1



CM3440Z171R-10

ELECTRICAL TESTING

	GROSS	GROSS
TEST:	Z	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
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 DIMENSIONS:

T ₁	3.56 [.140]	+ 0.25 [.010]
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.

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D	ADD NOTE 6	08/30/12	QIU			
C	UPDATE COMPANY LOGO & KAPTON LABEL ADD EQUIVALENT CIRCUIT	11/18/08	JRK	PROJECT/PART NUMBER:	REV	PART TYPE:
B	UPDATE COMPANY LOGO	11/28/07	JRK	CM3440Z171R-10	D	ASSEMBLY
A	ORIGINAL DRAFT	5/27/04	JRK	DATE: 5/27/04	SCALE: NTS	SHEET: 2 of 2
REV	DESCRIPTION	DATE	INT	CAD # CM3440Z171R-10-D-2	TOOL # H0335	

Laird