

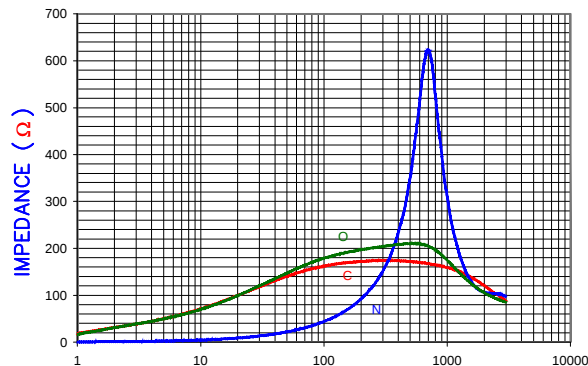
PHYSICAL DIMENSIONS:

A	6.30 [.248]	$\pm$	0.10 [.004]
B	11.38 [.448]	$\pm$	0.18 [.007]
B1	14.10 [.555]		MAX
C	9.32 [.367]	$\pm$	0.18 [.007]
C1	10.16 [.400]		MAX
D	7.62 [.300]	$\pm$	0.10 [.004]
E	2.54 [.100]	$\pm$	0.13 [.005]

WIRE DIMENSIONS:

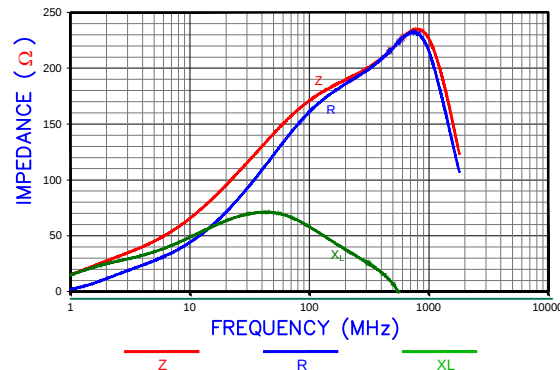
T1	2.90 [.114]	$\pm$	0.25 [.010]
T2	0.84 [.033]		TYP.
T3	0.46 [.018]		TYP.

Z vs. FREQUENCY (C,O,N)



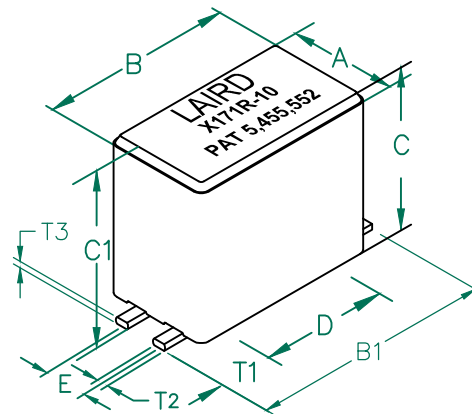
FREQUENCY (MHz)

Z, R, XL vs. FREQUENCY



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

CM2545X171R-10



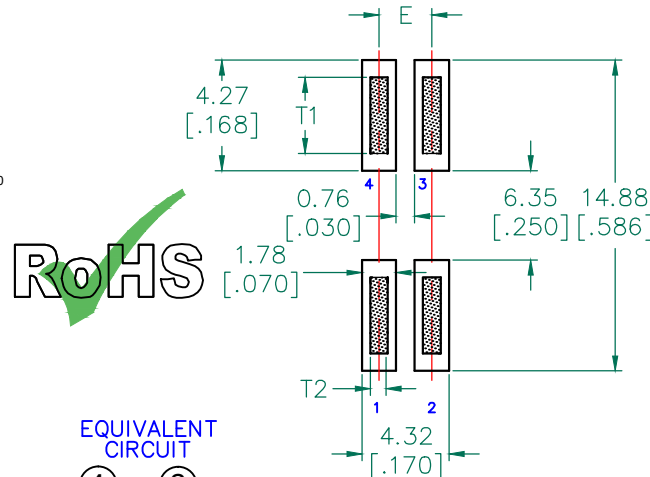
ELECTRICAL CHARACTERISTICS:

Z @ 100MHz (Ω)	DCR (Ω)	Rated Current	Rated Voltage (VDC)
Nominal	170		
Minimum	128		
Maximum	—	0.01	10,000 mA
			140

NOTES: UNLESS OTHERWISE SPECIFIED

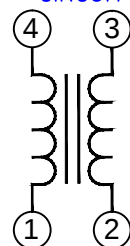
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 13" REELS, 400 PCS/REEL.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. REF. CARRIER TAPE SPEC. # CART249-63.
4. TERMINATION FINISH IS 100% TIN.
5. THIS PART HAS NO PIN POLARITY.
6. OPERATION TEMPERATURE (INCLUDING SELF-HEATING): -40 ~ +125°C.

LAND PATTERN FOR REFLOW SOLDERING

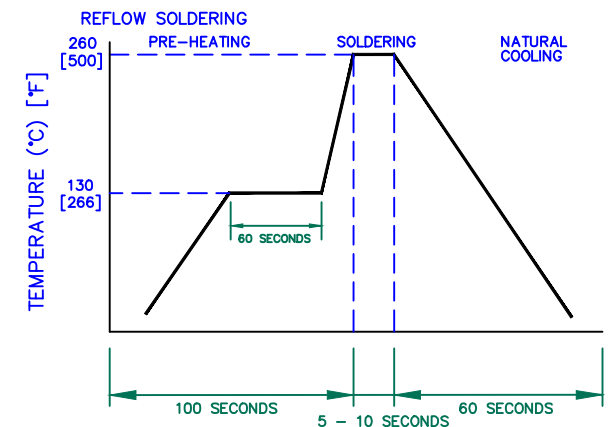


RoHS

EQUIVALENT CIRCUIT



RECOMMENDED SOLDERING CONDITIONS



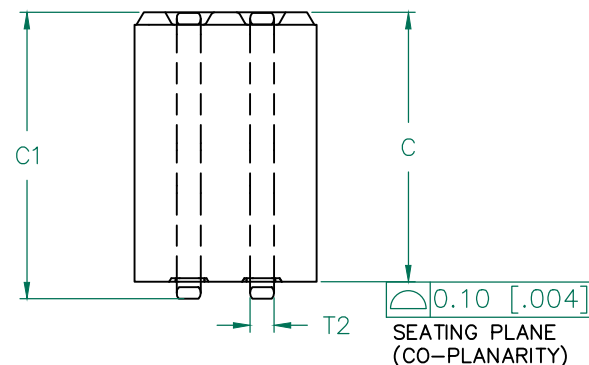
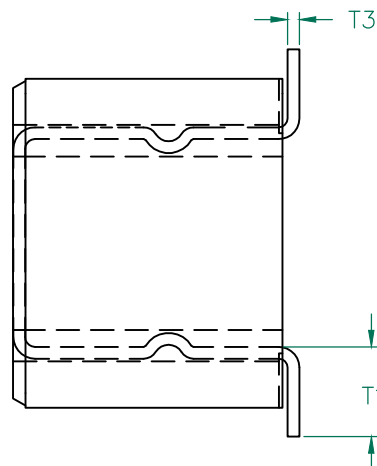
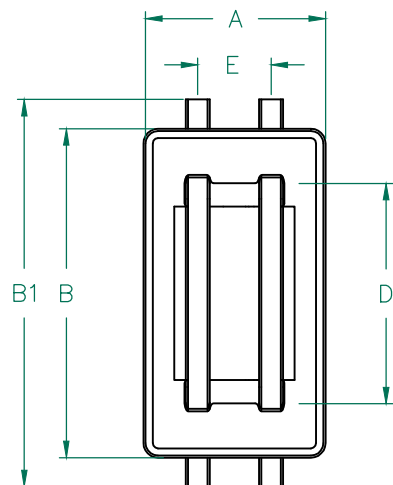
DIMENSIONS ARE IN mm [INCHES]

F	ADD NOTE 6	08/30/12	QIU
E	UPDATE THE SOLDERING TEMPERATURE	03/24/11	JUN
D	ADD C1 IN CONFIGURATION	12/02/09	JUN
C	UPDATE COMPANY LOGO UPDATE ROHS SYMBOL AND KAPTON LABEL ADD EC	11/05/08	JRK
B	UPDATE COMPANY LOGO	05/18/07	JRK
A	ORIGINAL DRAFT	5/26/04	JRK
REV	DESCRIPTION	DATE	

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Laird

PROJECT/PART NUMBER:	REV	DRAWN BY:
CM2545X171R-10	F	JRK
DATE: 5/26/04	SCALE: NTS	SHEET: 1 of 2
CAD # CM2545X171R-10-F-1	TOOL # H0249-600	



DIMENSIONS:

A	6.30 [.248]	+	0.10 [.004]
B	11.38 [.448]	+	0.18 [.007]
B1	14.10 [.555]		MAX
C	9.32 [.367]	+	0.18 [.007]
C1	10.16 [.400]		MAX
D	7.62 [.300]	+	0.10 [.004]
E	2.54 [.100]	+	0.13 [.005]

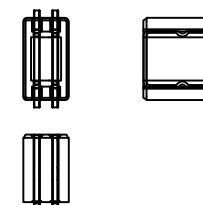
WIRE DIMENSIONS:

T1	2.90 [.114]	+	0.25 [.010]
T2	0.84 [.033]		TYP.
T3	0.46 [.018]		TYP.

LAIRD
X171R-10
PAT 5,455,552



SCALE DRAWING 1:1



CM2545X171R-10

ELECTRICAL TESTING

TEST:	GROSS	GROSS
# TURNS	1	1
AWG	22	22
FREQUENCY	25 MHz	100 MHz
NOMINAL	70 Ω	170 Ω
MINIMUM	53 Ω	128 Ω
MAXIMUM	- Ω	- Ω
WEIGHT/1000	2.94 kgs.	6.48 lbs.

NOTES: UNLESS OTHERWISE SPECIFIED

1. WIRE: REFERENCE STEWARD WIRE PURCHASE SPEC. W0449-61.
2. IMPEDANCE VALUES ARE GROSS, MEASURED USING W0449 WIRE PLACED AGAINST END OF SLOT w/ NO D.C. BIAS.
3. REFERENCE STEWARD CORE P/N 29H0249-600.
4. PROTECTED BY U.S. PATENT NO. 5,455,552.
5. TERMINATION FINISH IS 100% TIN.
6. THIS PART HAS NO PIN POLARITY.

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.				
F	ADD NOTE 6	08/30/12	QIU					
E	UPDATE THE SOLDERING TEMPERATURE	03/24/11	JUN					
D	ADD C1 IN CONFIGURATION	12/02/09	JUN					
C	UPDATE COMPANY LOGO UPDATE ROHS SYMBOL AND KAPTON LABEL ADD EC	11/05/08	JRK	PROJECT/PART NUMBER: CM2545X171R-10		REV F	DRAWN BY: JRK	
B	UPDATE COMPANY LOGO	05/18/07	JRK	DATE: 5/26/04		SCALE: NTS		SHEET: 2 of 2
A	ORIGINAL DRAFT	5/26/04	JRK	CAD # CM2545X171R-10-F-2		TOOL # H0249-600		
REV	DESCRIPTION	DATE						