

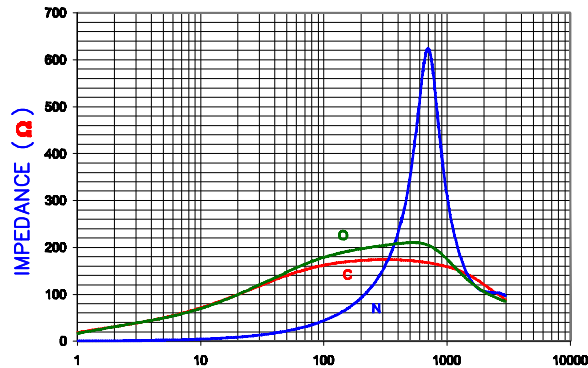
PHYSICAL DIMENSIONS:

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:

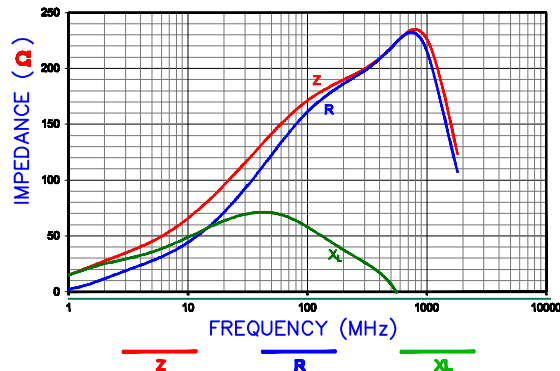
T1	2.90 [.114]	$\pm$	0.25 [.010]
T2	0.84 [.033]		TYP.
T3	0.46 [.018]		TYP.

Z vs. FREQUENCY (C,O,N)



FREQUENCY (MHz)

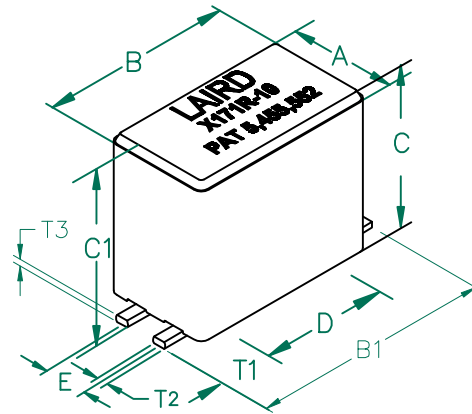
Z, R, XL vs. FREQUENCY



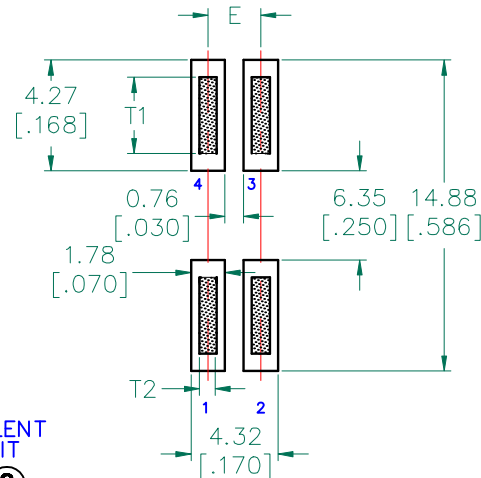
CM2545X171R-10

UNCONTROLLED
DOCUMENT

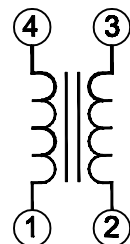
RoHS
2002/95/EC



LAND PATTERN FOR REFLOW SOLDERING



EQUIVALENT CIRCUIT



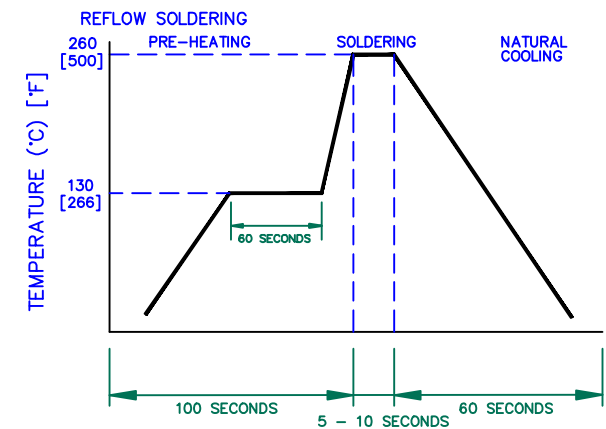
ELECTRICAL CHARACTERISTICS:

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.

RECOMMENDED SOLDERING CONDITIONS



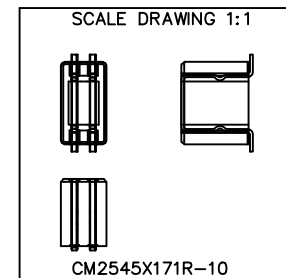
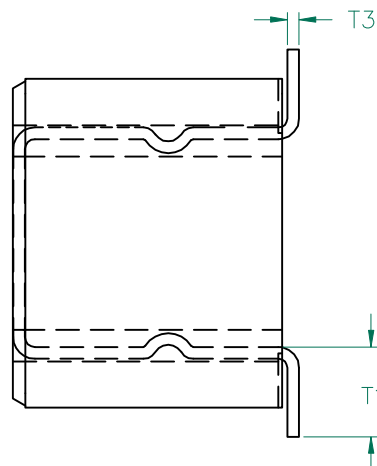
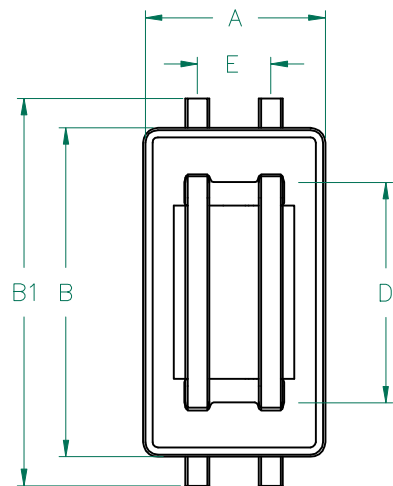
DIMENSIONS ARE IN mm [INCHES].

F	ADD RATED VOLTAGE AND 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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TECHNOLOGIES

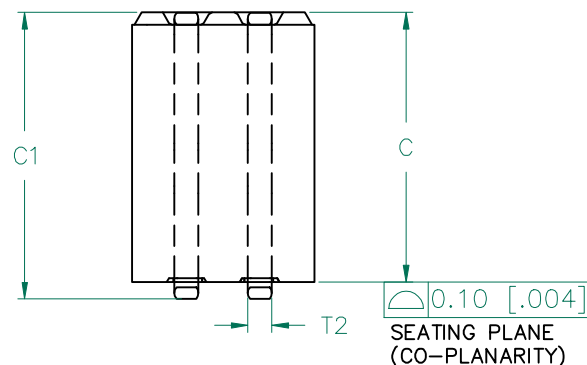
PROJECT/PART NUMBER:	REV	DRAWN BY:
CM2545X171R-10	F	JRK
DATE: 5/26/04	SCALE: NTS	SHEET:
CAD # CM2545X171R-10-F-2	TOOL # H0249-600	2 of 3



**UNCONTROLLED
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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.



LAIRD
X171R-10
PAT 5,455,552



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:

A	6.30 [.248]	+	0.10 [.004]
B	11.38 [.448]	+	0.18 [.007]
B1	14.10 [.555]		MAX
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F	ADD RATED VOLTAGE AND 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:		REV	DRAWN BY:
B	UPDATE COMPANY LOGO	05/18/07	JRK	CM2545X171R-10		F	JRK
A	ORIGINAL DRAFT	5/26/04	JRK	DATE: 5/26/04		SCALE: NTS	
REV	DESCRIPTION	DATE		CAD # CM2545X171R-10-F-3		TOOL # H0249-600	
						SHEET: 3 of 3	