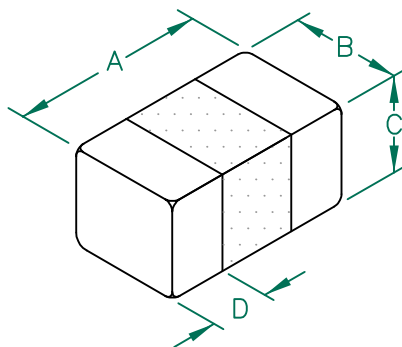


# LI0402D121R-10

**UNCONTROLLED DOCUMENT**

## PHYSICAL DIMENSIONS:

A	1.01 [.040]	+	0.18 [.007]
B	0.50 [.020]	+	0.20 [.008]
C	0.50 [.020]	+	0.20 [.008]
D	0.30 [.012]	+	MAX.



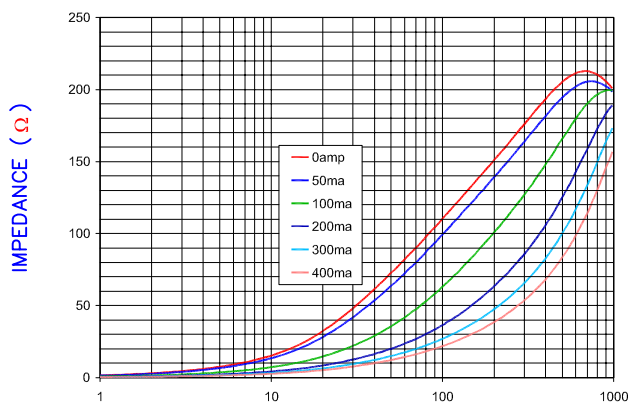
## ELECTRICAL CHARACTERISTICS:

	Z @ 100MHz ( $\Omega$ )	DCR ( $\Omega$ )	Rated Current
Nominal	120		
Minimum	90		
Maximum	150	0.40	400 mA

NOTES: UNLESS OTHERWISE SPECIFIED

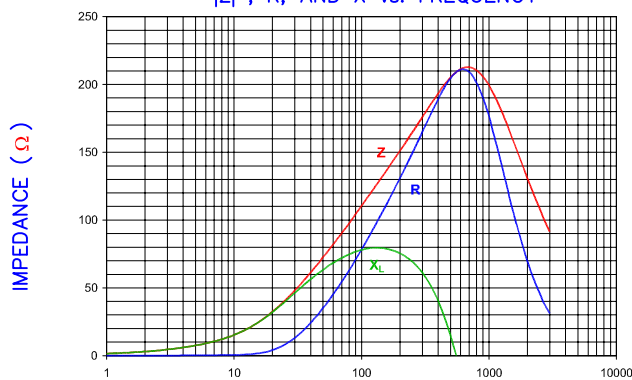
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 10,000 PCS/REEL, PAPER TAPE.
2. TERMINATION FINISH IS 100% TIN.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. OPERATING TEMP. RANGE:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ . (INCLUDING SELF-HEATING)

Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



FREQUENCY (MHz)

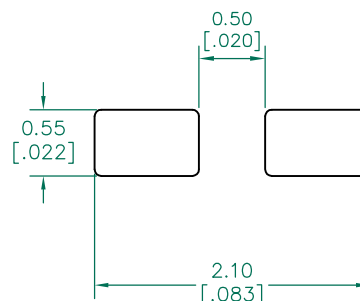
|Z|, R, AND X vs. FREQUENCY



FREQUENCY (MHz)

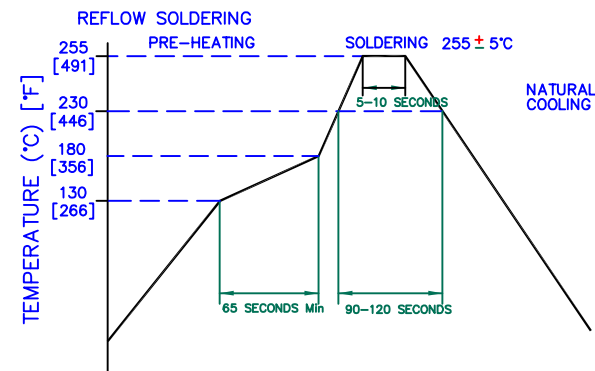
Z R X<sub>L</sub>

## LAND PATTERNS FOR REFLOW SOLDERING



(For wave soldering, add 0.762 [.030] to this dimension.)

## RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

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E	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU	PROJECT/PART NUMBER: LI0402D121R-10		REV	PART TYPE: CO-FIRE	DRAWN BY: TMB
D	UPDATE COMPANY LOGO	07/08/08	JRK	DATE:	04/05/04	SCALE:	NTS	SHEET:
C	CHG REEL QTY ADD PAPER TAPE TO NOTE #1 UPDATE COMPANY LOGO	12/14/07	JRK	CAD #	LI0402D121R-10-E	TOOL #	-	2 of 2
B	CORRECT REF # FROM 3289 TO 3298	07/22/05	JRK	INT				
A	ORIGINAL DRAFT	04/05/04	TMB					
REV	DESCRIPTION	DATE	INT					