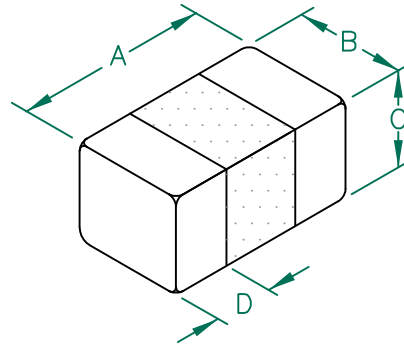


# LI0402E190R-10

**UNCONTROLLED DOCUMENT**

PHYSICAL DIMENSIONS:

A	1.00 [.040]	+	0.15 [.006]
B	0.50 [.020]	+	0.15 [.006]
C	0.50 [.020]	+	0.15 [.006]
D	0.30 [.012]	-	MAX.



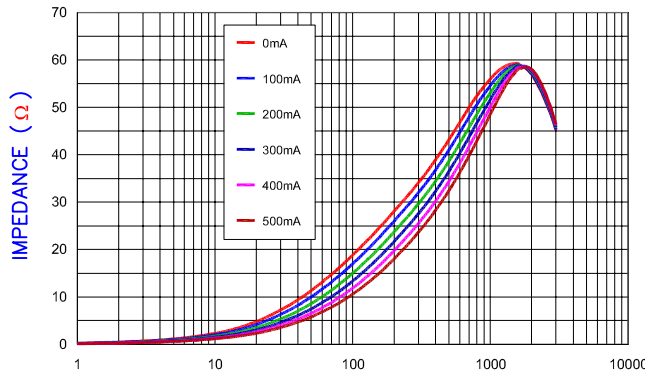
ELECTRICAL CHARACTERISTICS:

Z @ 100MHz ( $\Omega$ )	DCR ( $\Omega$ )	Rated Current
Nominal	19	
Minimum	14	
Maximum	24	500 mA

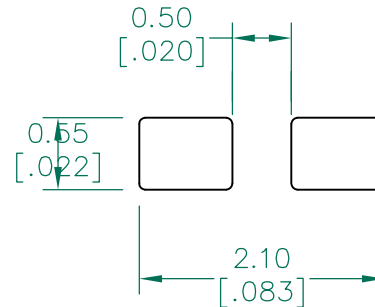
NOTES: UNLESS OTHERWISE SPECIFIED

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

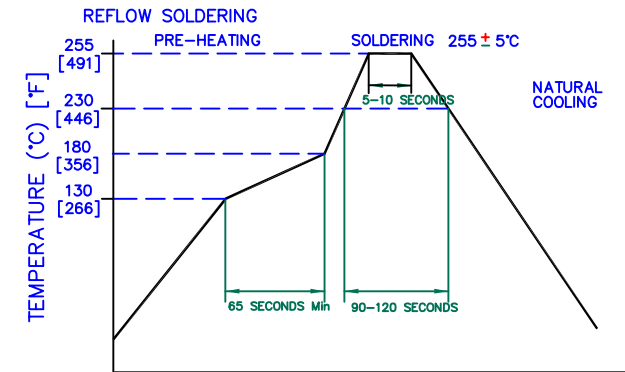


LAND PATTERNS FOR REFLOW SOLDERING



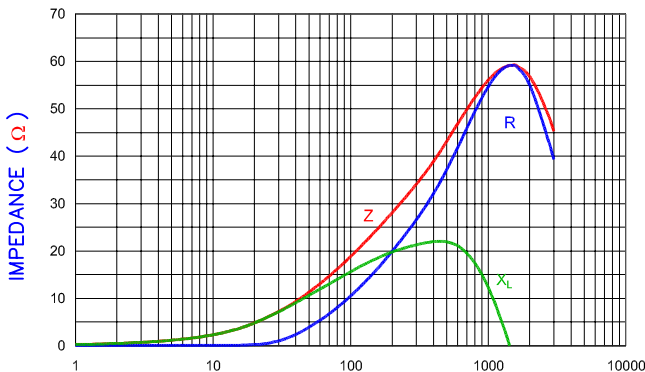
(For wave soldering, add 0.762 [.030] to this dimension.)

RECOMMENDED SOLDERING CONDITIONS



FREQUENCY (MHz)

|Z|, R, AND X vs. FREQUENCY



FREQUENCY (MHz)



AGILENT E4991A RF Impedance/Material Analyzer  
HP 16194A Test Fixture. TEST REF. 6231



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.		<b>Laird</b>	
C	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU	LI0402E190R-10	REV C	PART TYPE: CO-FIRE	DRAWN BY: JRK
B	UPDATE COMPANY LOGO	07/09/08	JRK	DATE: 07/24/07	SCALE: NTS	SHEET: 2 of 2	
A	ORIGINAL DRAFT	07/24/07	JRK	CAD #	TOOL #		
REV	DESCRIPTION	DATE	INT	LI0402E190R-10-C			