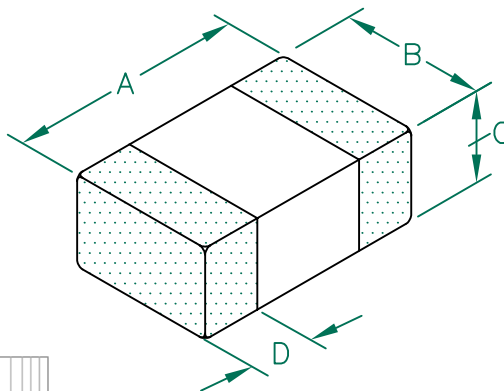


# CPI0805E3R3R-10

**UNCONTROLLED DOCUMENT**

## PHYSICAL DIMENSIONS:

A	2.00 [.079]	+ 0.20 [.008]
B	1.25 [.049]	+ 0.20 [.008]
C	0.90 [.035]	+ 0.10 [.004]
D	0.50 [.020]	+ 0.20 [.008]



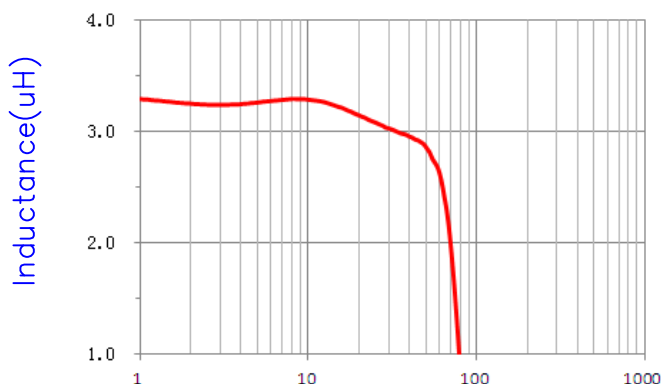
## ELECTRICAL CHARACTERISTICS:

	L ( $\mu$ H) @ 1MHz $\pm 20\%$	DCR ( $\Omega$ ) $\pm 25\%$	I (Max)
Nom	3.3	0.22	
Min	2.6	0.165	
Max	4.0	0.275	500mA

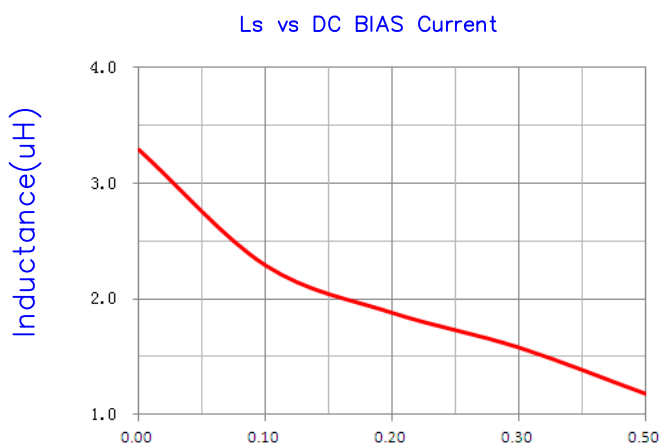
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 4000 PCS/REEL, PAPER TAPE.
2. TERMINATION FINISH IS 100% MATTE Sn OVER Ni.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. I (MAX.) IS BASED ON THE MAXIMUM SUSTAINED CURRENT APPLIED WHILE MAINTAINING A MAXIMUM TEMPERATURE RISE OF 40°C OVER AMBIENT.
5. OPERATING TEMPERATURE TEMP: -55° C ~ +125° C (INCLUDING SELF-HEATING)

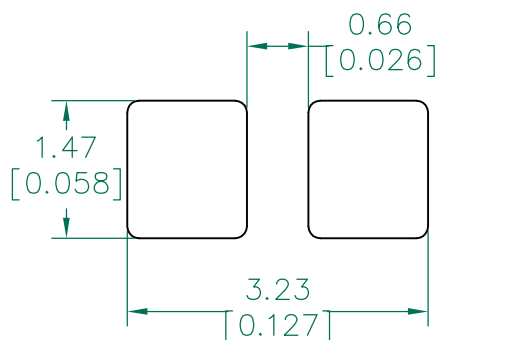
Ls vs Frequency



Ls vs DC BIAS Current

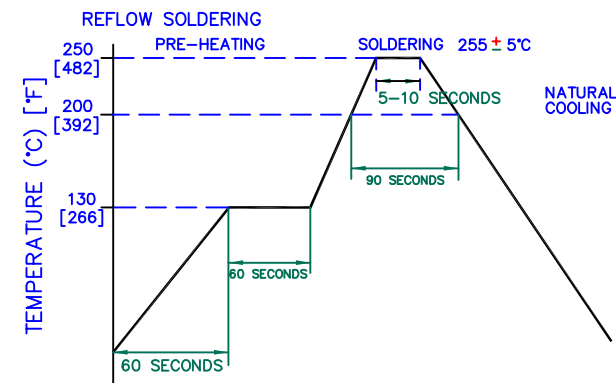


## LAND PATTERNS FOR REFLOW SOLDERING



[0.030] to this dimension)  
(For wave soldering, add 0.763)

## RECOMMENDED SOLDERING CONDITIONS



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.		
C	CHANGE PLASTIC TAPE TO PAPER TAPE	04/17/14	QU	CPI0805E3R3R-10		
B	UPDATE LAIRD LOGO AND NOTES 5	08/05/13	QU	DATE:	03/01/11	SCALE: NTS
A	ORIGINAL DRAFT	03/01/11	QU	CAD #	CPI0805E3R3R-10-A	TOOL # -
REV	DESCRIPTION	DATE	INT	1 of 1		



PROJECT/PART NUMBER: REV: PART TYPE: DRAWN BY:

CPI0805E3R3R-10 C CO-FIRE QU

DATE: 03/01/11 SCALE: NTS SHEET:

CAD # CPI0805E3R3R-10-A TOOL # - 1 of 1