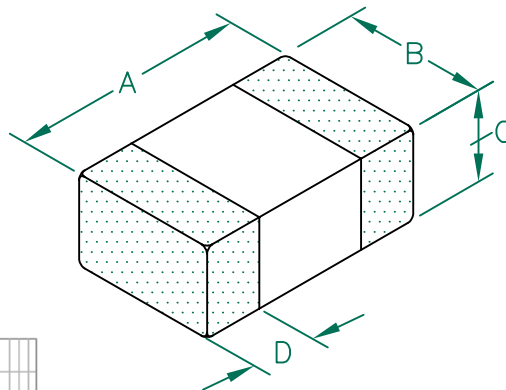


CPI0805IR82R-10

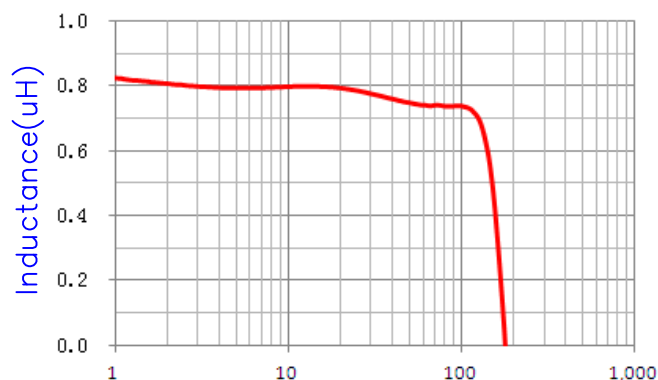
**UNCONTROLLED
DOCUMENT**

PHYSICAL DIMENSIONS:

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

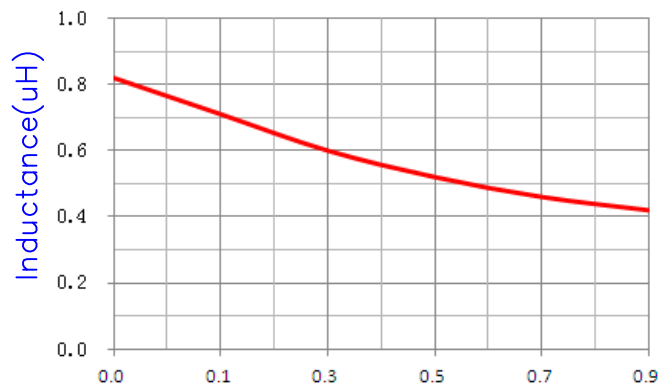


Ls vs Frequency



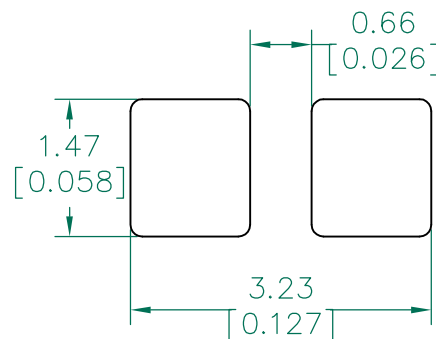
Frequency (MHz)

Ls vs DC BIAS Current



DC BIAS Current (A)

LAND PATTERNS FOR REFLOW SOLDERING



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

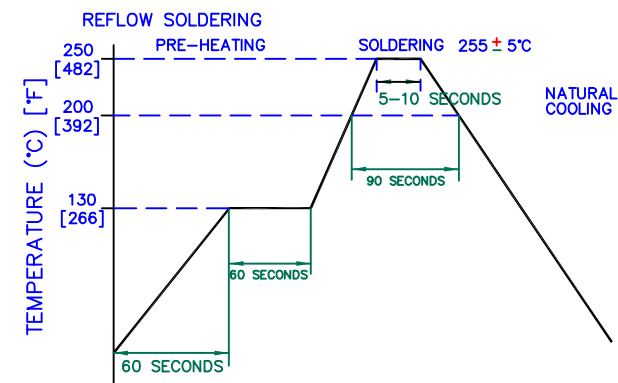
ELECTRICAL CHARACTERISTICS:

	L (μ H) @ 1MHz $\pm$ 20%	DCR (Ω) $\pm$ 25%	I (Max)
Nom	0.82	0.14	
Min	0.66	0.105	
Max	0.98	0.175	900mA

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. OPERATION TEMPERATURE TEMP: -55°C~+125°C (INCLUDING SELF-HEATING)

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.			
				PROJECT/PART NUMBER: CPI0805IR82R-10			
				REV	C	PART TYPE: CO-FIRE	DRAWN BY: QU
				DATE:	03/01/11	SCALE: NTS	SHEET: 1 of 1
				CAD #	CPI0805IR82R-10-A	TOOL #	
				REV	DESCRIPTION	DATE	INT

C	CHANGE PLASTIC TAPE TO PAPER TAPE	04/17/14	QU
B	UPDATE LAIRD LOGO AND NOTES 5	08/05/13	QU
A	ORIGINAL DRAFT	03/01/11	QU