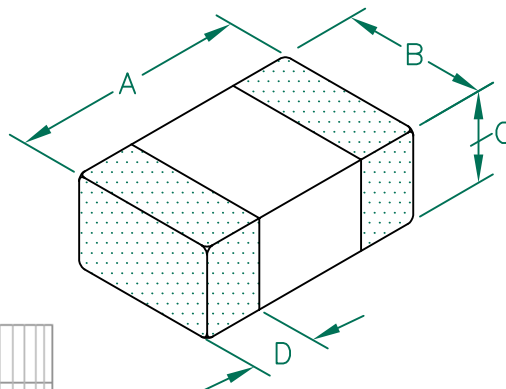


CPI1008KR82R-10

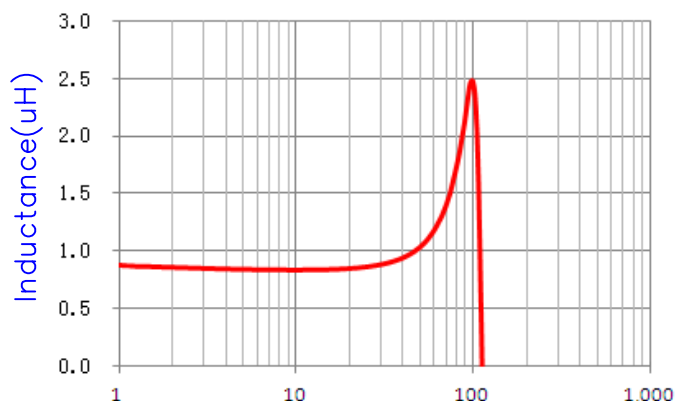
**UNCONTROLLED
DOCUMENT**

PHYSICAL DIMENSIONS:

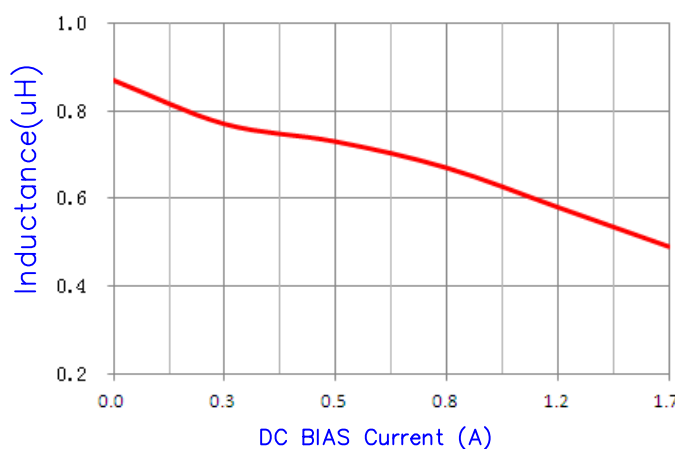
A	2.50 [.098]	+ 0.20[.008]
B	2.00 [.079]	+ 0.20[.008]
C	0.90 [.035]	+ 0.10[.004]
D	0.60 [.024]	+ 0.20[.008]



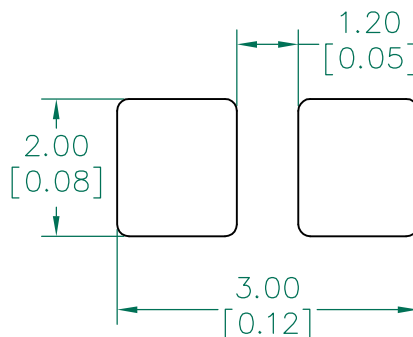
Ls vs Frequency



Ls vs DC BIAS Current



LAND PATTERNS FOR REFLOW SOLDERING



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



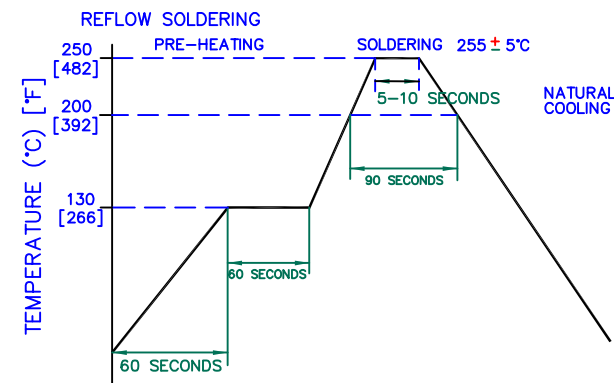
ELECTRICAL CHARACTERISTICS:

	L (μ H) @ 1MHz $\pm 20\%$	DCR (Ω) $\pm 25\%$	I (Max)
Nom	0.820	0.100	
Min	0.656	0.075	
Max	0.984	0.125	1700mA

NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 3000 PCS/REEL, EMBOSSED PLASTIC 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.			
C	UPDATE PAD DIMENSION ROHS	07/08/14	QU	CPI1008KR82R-10			
B	UPDATE LAIRD LOGO AND NOTES 5	08/05/13	QU	DATE: 03/01/11			
A	ORIGINAL DRAFT	03/01/11	QU	SCALE: NTS			
REV	DESCRIPTION	DATE	INT	CPI1008KR82R-10-C			
				PROJECT/PART NUMBER:		REV C	PART TYPE: CO-FIRE
							DRAWN BY: QU
							SHEET: 1 of 1