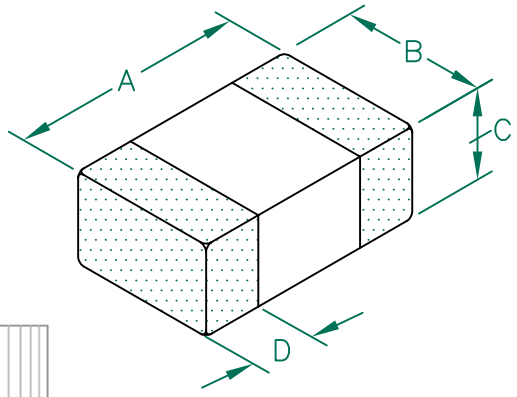
CPI1008K1R0R-10

UNCONTROLLED DOCUMENT

PHYSICAL DIMENSIONS:

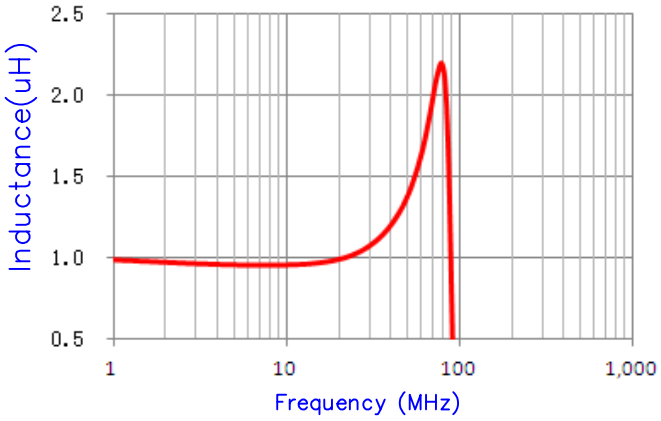
A	2.50 [.098]	± 0.20[.008]
B	2.00 [.079]	± 0.20[.008]
C	0.90 [.035]	± 0.10[.004]
D	0.60 [.024]	± 0.20[.008]



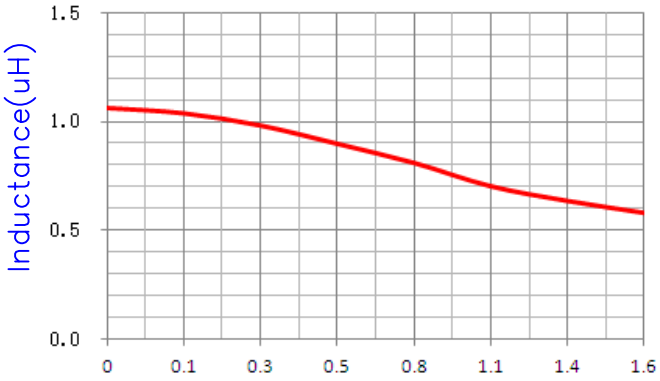
ELECTRICAL CHARACTERISTICS:

	L (μH) @ 1MHz ± 20%	DCR (Ω) ± 25%	I (Max)
Nom	1.0	0.1100	
Min	0.8	0.0825	
Max	1.2	0.1375	1600mA

Ls vs Frequency



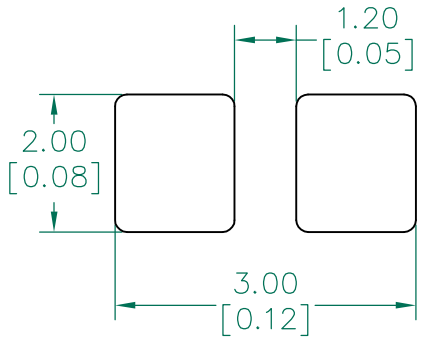
Ls vs DC BIAS Current



NOTES: UNLESS OTHERWISE SPECIFIED

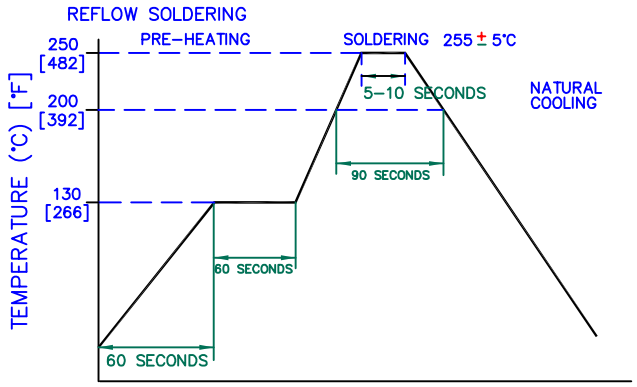
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 3000 PCS/REEL, EMBOSSED PLASTIC TAPE.
2. TERMINATION FINISH IS 100% MATTE Sn OVER Ni.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. I (MAX.) IS BASED ON THE MAXIMUM SUSTAINED CURRENT APPLIED WHILE MAINTAINING A MAXIMUM TEMPERATURE RISE OF 40°C OVER AMBIENT.
5. OPERATION TEMPERATURE TEMP: −55°C~+125°C (INCLUDING SELF−HEATING)

LAND PATTERNS FOR REFLOW SOLDERING



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

RECOMMENDED SOLDERING CONDITIONS



RoHS 2011/65/EU

REV	DESCRIPTION	DATE	INT
C	UPDATE PAD DIMENSION ROHS	07/08/14	QU
B	UPDATE LAIRD LOGO AND NOTES 5	08/05/13	QU
A	ORIGINAL DRAFT	03/01/11	QU

DIMENSIONS ARE IN mm [INCHES].

Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
CPI1008K1R0R−10	C	CO−FIRE	QU

DATE:	SCALE:	SHEET:
03/01/11	NTS	1 of 1

CAD # CPI1008K1R0R−10−C

TOOL # −