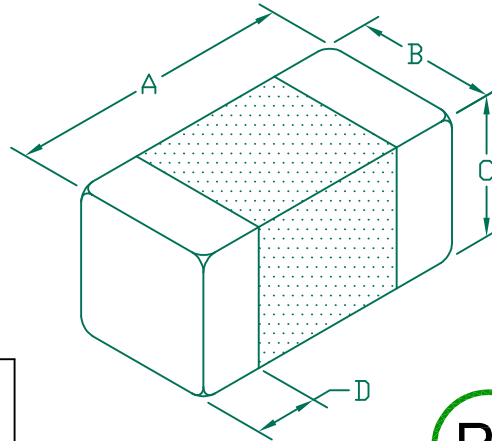


IC0805A183R-10

UNCONTROLLED DOCUMENT

PHYSICAL DIMENSIONS:

A	2.00 [.079]	+ 0.20[.008]
B	1.25 [.049]	+ 0.20[.008]
C	1.25 [.049]	+ 0.20[.008]
D	0.50 [.020]	+ 0.30[.012]



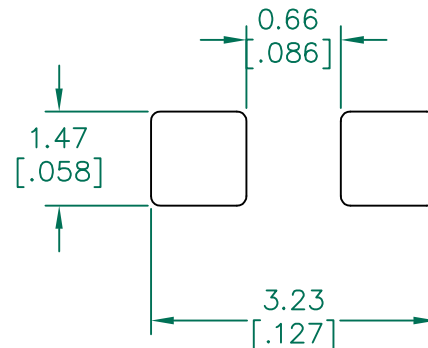
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 2000 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. I (OPERATING) IS BASED ON THE MAXIMUM SUSTAINED CURRENT APPLIED WHILE MAINTAINING A MINIMUM INDUCTANCE (L).
6. OPERATING TEMP. RANGE: -40°C~+125°C. (INCLUDING SELF-HEATING)

ELECTRICAL CHARACTERISTICS:

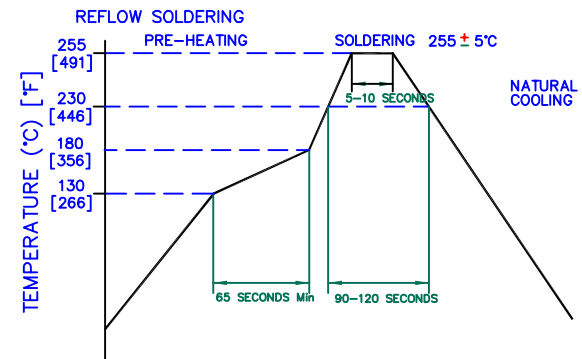
L (nH) ± 10%	19,800	Max
	18,000	Nom
	16,200	Min @ 5mA
Q (Min)	30	
Freq. (MHz)	1	
Self-Resonant Freq (MHz)	18	
DCR(Max) Ω	0.90	
I (Max)	150mA	
I (Operating)	5mA	

LAND PATTERNS FOR REFLOW SOLDERING



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

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.			
D	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU				
C	UPDATE COMPANY LOGO	06/18/08	JRK				
B	REM KO FROM P/N REV. NOTES & LANDPATTERN CHANGE D DIMS AND TOLS REV SELF-RES FREQ.	01/16/07	JRK				
A	ORIGINAL DRAFT	04/27/04	JRK				
REV	DESCRIPTION	DATE	INT				
PROJECT/PART NUMBER: IC0805A183R-10				REV: D	PART TYPE: CO-FIRE	DRAWN BY: JRK	
DATE: 04/27/04				SCALE: NTS	SHEET: 2 of 2		
CAD # IC0805A183R-10-D				TOOL # -			