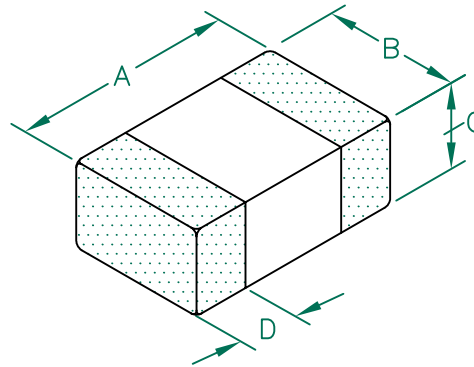


IC0805B182R-10

**UNCONTROLLED
DOCUMENT**

PHYSICAL DIMENSIONS:

A	2.00 [.079]	+ 0.20[.008]
B	1.25 [.049]	+ 0.20[.008]
C	0.85 [.033]	+ 0.20[.008]
D	0.50 [.020]	+ 0.30[.012]



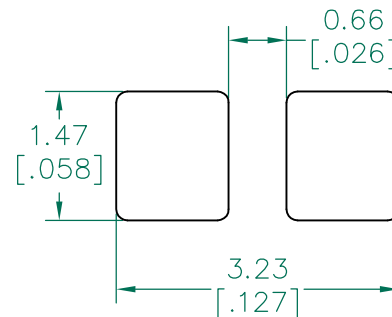
ELECTRICAL CHARACTERISTICS:

L (nH) ± 10%	1,980	Max
	1,800	Nom
	1,620	Min@50mA
Q (Min)	45	
Freq. (MHz)	10	
Self-Resonant Freq (MHz)	55	
DCR(Max) Ω	0.60	
I (Max)	250mA	
I (Operating)	50mA	

NOTES: UNLESS OTHERWISE SPECIFIED

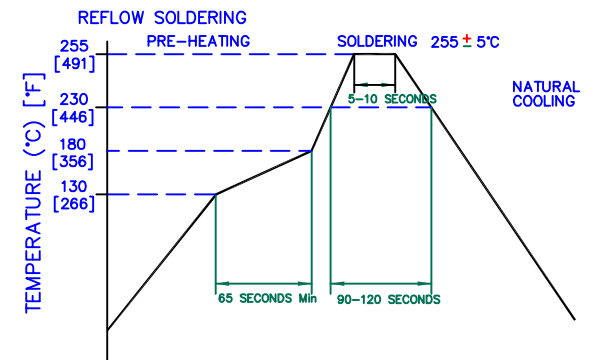
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 4000 PCS/REEL, EMBOSSED PLASTIC TAPE.
2. TERMINATION FINISH IS 100% MATTE Sn OVER Ni.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. I (MAX.) IS BASED ON THE MAXIMUM SUSTAINED CURRENT APPLIED WHILE MAINTAINING A MAXIMUM TEMPERATURE 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)

LAND PATTERNS FOR REFLOW SOLDERING



(For wave soldering, add 0.763 [.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.			
E	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU				
D	UPDATE COMPANY LOGO	06/16/09	JRK				
C	MODIFY NOTES CHG C & D DIM. CHG SRF	01/17/07	JRK	PROJECT/PART NUMBER: IC0805B182R-10			
B	CHG P/N ADD @50mA TO MIN L & ADD I (OPERATING) TO ELECT BOX UPDATE LANDPATTERN DIMS REV/ADD NOTES	12/29/05	TMB				
A	ORIGINAL DRAFT	05/13/04	JRK	DATE:	05/13/04	SCALE:	NTS
REV	DESCRIPTION	DATE	INT	CAD #	IC0805B182R-10-E	TOOL #	-
				REV	E	PART TYPE:	CO-FIRE
						DRAWN BY:	JRK
						SHEET:	2 of 2