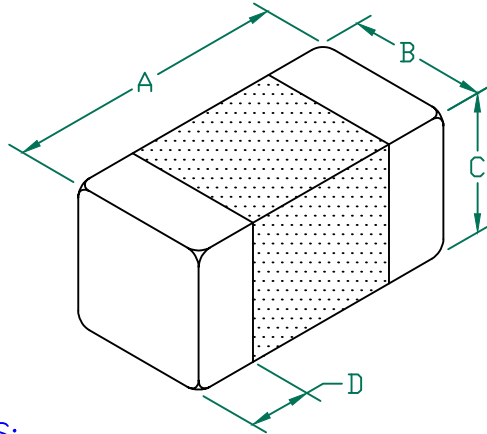


# IC0805A272R-10

## 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]



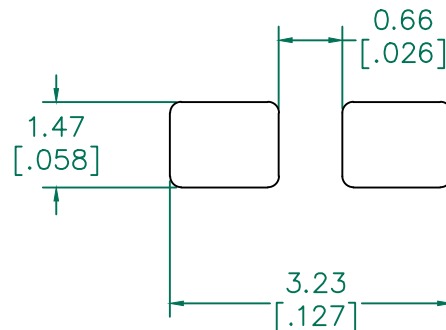
## NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 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. 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)
7. COSMETIC SPECIFICATION REFER TO WI-QA-124.

## ELECTRICAL CHARACTERISTICS:

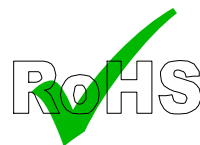
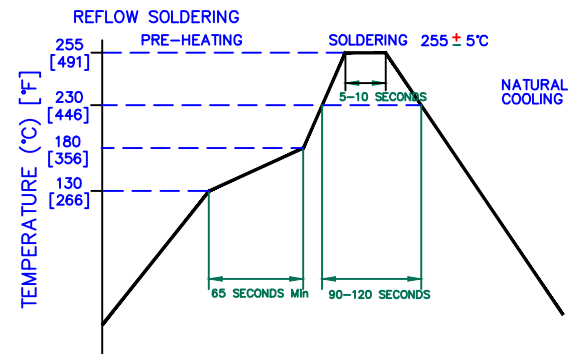
L (nH) ± 10%	2,970	Max
	2,700	Nom
	2,430	Min
Q (Min)	45	
Freq. (MHz)	10	
Self-Resonant Freq (MHz)	45	
DCR(Max) $\Omega$	0.75	
I (Max)	150mA	
I (Operating)	30mA	

## 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.			
PROJECT/PART NUMBER:				REV		PART TYPE:	
C	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU	IC0805A272R-10		C	CO FIRE
B	UPDATE COMPANY LOGO	06/19/08	JRK	DATE:	01/02/07	SCALE:	NTS
A	ORIGINAL DRAFT	01/02/07	JRK	CAD #	IC0805A272R-10-C	TOOL #	-
REV	DESCRIPTION	DATE	INT			SHEET: 1 of 1	

