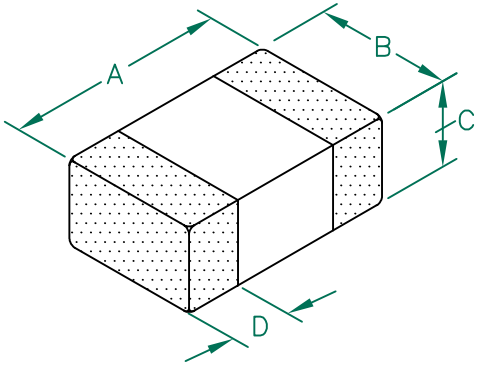
IC0805C470R-10

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]

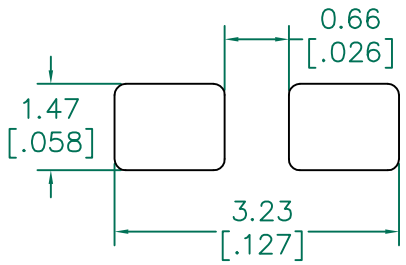


NOTES: UNLESS OTHERWISE SPECIFIED
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 4000 PCS/REEL, EMBOSSED PLASTIC TAPE.
2. TERMINATION FINISH IS 100% MATTE Sn OVER Ni.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. I (MAX.) IS BASED ON THE MAXIMUM SUSTAINED CURRENT APPLIED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

ELECTRICAL CHARACTERISTICS:

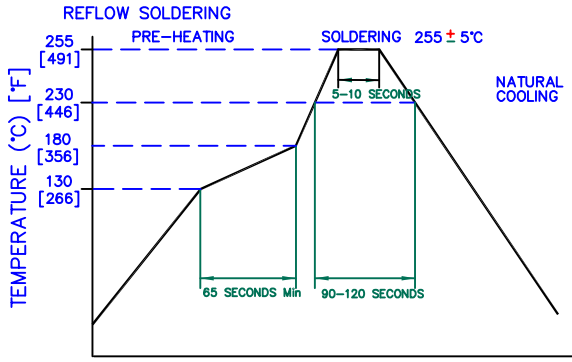
L (nH) ± 10%	52	Max
	47	Nom
	42	Min@ 300mA
Q (Min)	15	
Freq. (MHz)	50	
Self−Resonant Freq (MHz)	320	
DCR(Max) Ω	0.20	
I (Max)	300mA	
I (Operating)	300mA	

LAND PATTERNS FOR REFLOW SOLDERING



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

RECOMMENDED SOLDERING CONDITIONS



RoHS 2002/95/EC

REV	DESCRIPTION	DATE	INT
C	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU
B	UPDATE COMPANY LOGO	06/24/08	JRK
A	ORIGINAL DRAFT	01/02/07	JRK

DIMENSIONS ARE IN mm [INCHES].

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Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
IC0805C470R−10	C	CO FIRE	JRK

DATE:	SCALE:	SHEET:
01/02/07	NTS	2 of 2

CAD # IC0805C470R−10−C TOOL # −