# IC0805A472R-10

### UNCONTROLLED DOCUMENT

#### PHYSICAL DIMENSIONS:

A 2.00 [.079] ± 0.20[.008]

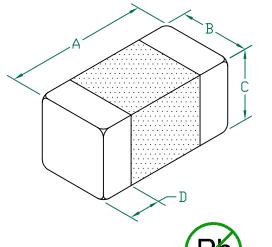
B 1.25 [.049] ± 0.20[.008]

C 1.25 [.049] ± 0.20[.008]

D 0.50 [.020] ± 0.30[.012]

#### **ELECTRICAL CHARACTERISTICS:**

	5,170	Max						
L (nH) ± 10%	4,700	Nom						
	4,230	Min@ 30Ma						
Q (Min)	45							
Freq. (MHz)	10							
Self—Resonant Freq (MHz)	35							
DCR(Max) $\Omega$	1.00							
I (Max)	150mA							
l (Operating)	30m A							



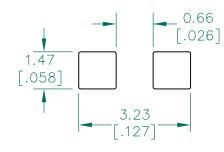
NOTES: UNLESS OTHERWISE SPECIFIED

- TAPED AND REELED per CURRENT EIA SPECIFICATION\$
   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. RANĠÉ: -40°C~+125°C. (INCLUDING SELF-HEATING)

REFLOW SOLDERING

9

#### LAND PATTERNS FOR REFLOW SOLDERING



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

# 130 126 | 85 SECONDS Min 90-120 SECONDS

## ROLLS 2002/95/EC

DIMENSIONS ARE IN mm [INCHES].				This print is the property of Laird					
				Tech. and is loaned in confidence subject to return upon request of	e I	_ !		T,	
				with the understanding that no		Laird			
				copies shall be made without the written consent of Laird Tech. Al		u			
D	ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE	08/05/13	QU	rights to design or invention are reserved.					
С	UPDATE COMPANY LOGO	06/20/08	JRK	PROJECT/PART NUMBER:	REV	PART TYP		DRAWN BY:	
В	REMOVE KO FROM P/N CHG SRF VALUE UPDATE NOTES, REV LAND PATTERN DIMS,	01/17/07	JRK	IC0805A472R-10	U	CO-I	FIRE	JRK	
	ADD OPERATING TEMP TO ELECTRICAL		↓	DATE: 05/06/04	SCALE: N	TS	SHEET:		
Α	ORIGINAL DRAFT	05/06/04	JRK	CAD #	TOOL #		0	- ( 0	
REV	DESCRIPTION	DATE	INT	"IC0805A472R-10-D		-	2	of 2	

#### RECOMMENDED SOLDERING CONDITIONS

SOLDERING 255 ± 5°C

NATURAL COOLING