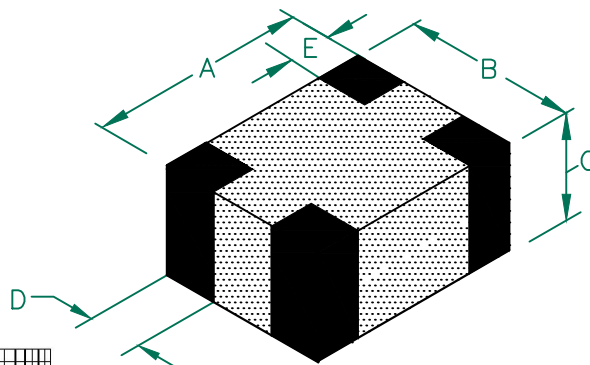


# CF0805D121R-10

## PHYSICAL DIMENSIONS:

|   |               |                     |
|---|---------------|---------------------|
| A | 2.00 [ .079 ] | $\pm 0.20$ [ .008 ] |
| B | 1.25 [ .049 ] | $\pm 0.20$ [ .008 ] |
| C | 1.00 [ .039 ] | $\pm 0.10$ [ .004 ] |
| D | 0.30 [ .012 ] | $\pm 0.20$ [ .008 ] |
| E | 0.40 [ .016 ] | $\pm 0.20$ [ .008 ] |



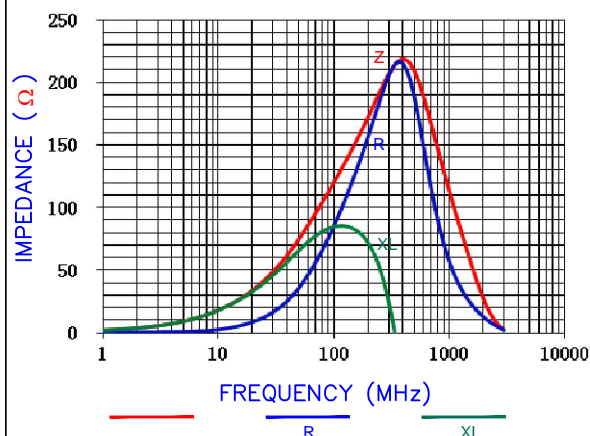
## ELECTRICAL CHARACTERISTICS:

| Common Mode Impedance @ 100MHz | Units    | Nominal | Minimum | Maximum |
|--------------------------------|----------|---------|---------|---------|
|                                | $\Omega$ | 120     | 90      | 150     |
| DCR                            | $\Omega$ | —       | —       | 0.4     |
| Rated Current                  | mA DC    | —       | —       | 400     |

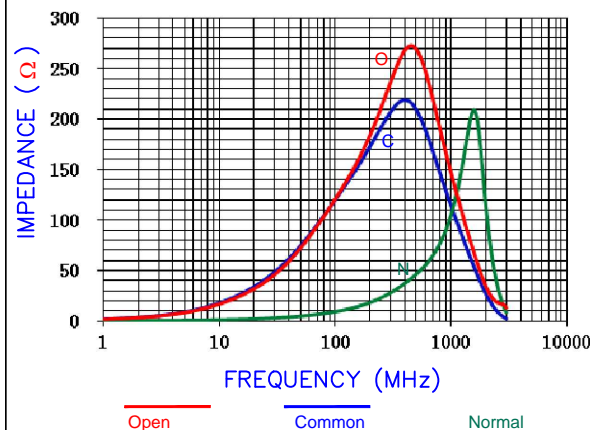
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS  
7" REELS, EMBOSSED PLASTIC TAPE, 3000 PCS/REEL.
2. TERMINATION FINISH IS 100% MATTE TIN.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. OPERATING TEMP. RANGE:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ .  
(INCLUDING SELF-HEATING)

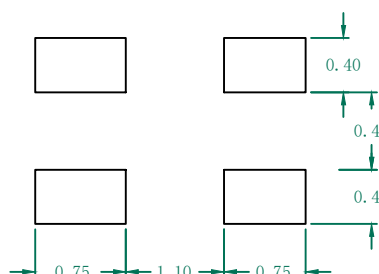
Z, R, XL vs. FREQUENCY



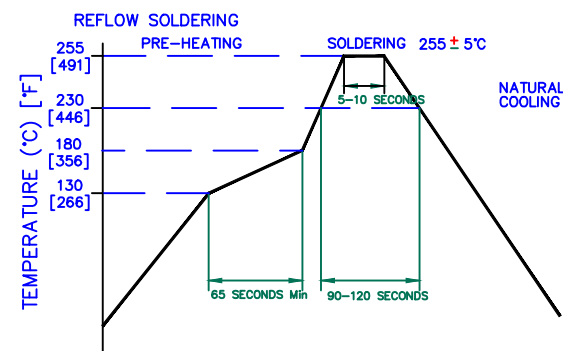
Z vs. FREQUENCY (C,N,O)



LAND PATTERNS FOR REFLOW SOLDERING



RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

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**Laird**

|     |  |          |     |   |                 |                              |                         |
|-----|--|----------|-----|---|-----------------|------------------------------|-------------------------|
| C   | ADD OPERATING TEMPERATURE<br>UPDATE COMPANY LOGO | 08/05/13 | QU  | PROJECT/PART NUMBER:<br><b>CF0805D121R-10</b> | REV<br><b>C</b> | PART TYPE:<br><b>CO-FIRE</b> | DRAWN BY:<br><b>JUN</b> |
| B   | UPDATE REFLOW<br>UPDATE Z, R, X AND C,N,O CURVE  | 12/23/12 | QU  | DATE:<br>03/02/10                             | SCALE:<br>NTS   | SHEET:<br>1 of 1             |                         |
| A   | ORIGINAL DRAFT                                   | 03/02/10 | JUN | CAD #<br>CF0805D121R-10-C                     | TOOL #<br>—     |                              |                         |
| REV | DESCRIPTION                                      | DATE     | INT |   |                 |                              |                         |



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