

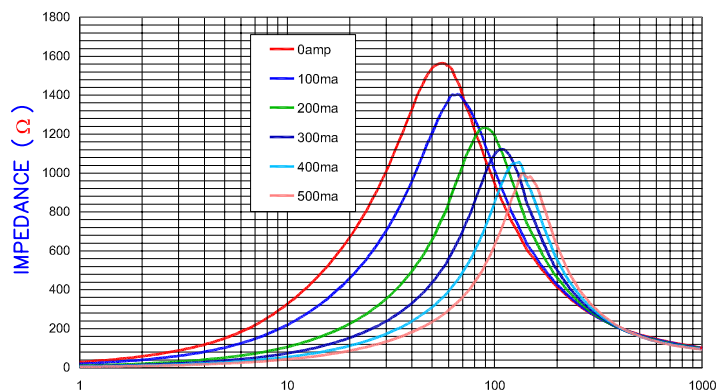
# LF1206E152R-10

**UNCONTROLLED  
DOCUMENT**

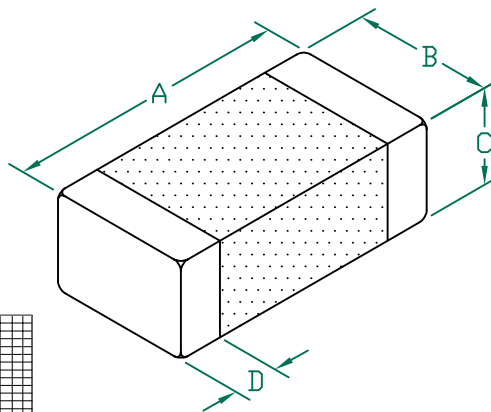
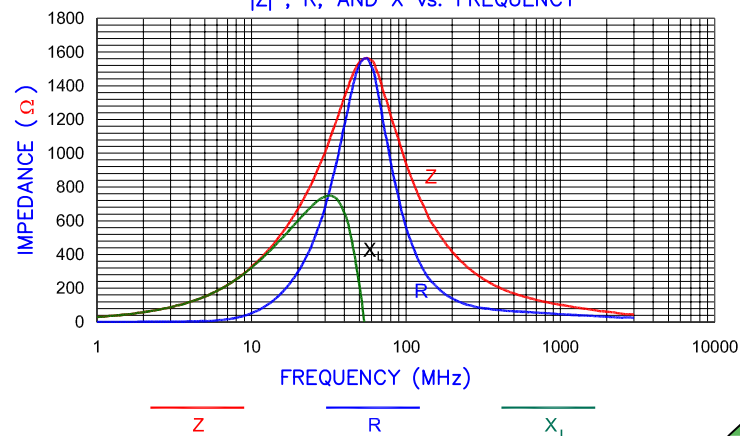
## PHYSICAL DIMENSIONS:

|   |      |        |            |        |
|---|------|--------|------------|--------|
| A | 3.20 | [.126] | $\pm$ 0.20 | [.008] |
| B | 1.60 | [.063] | $\pm$ 0.20 | [.008] |
| C | 1.10 | [.043] | $\pm$ 0.20 | [.008] |
| D | 0.51 | [.020] | $\pm$ 0.25 | [.010] |

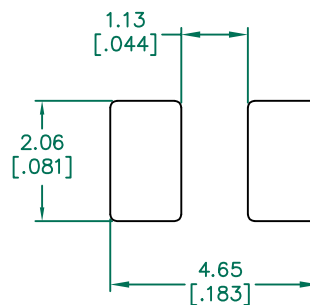
Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



FREQUENCY  
|Z|, R, AND X vs. FREQUENCY



## LAND PATTERNS FOR REFLOW SOLDERING



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

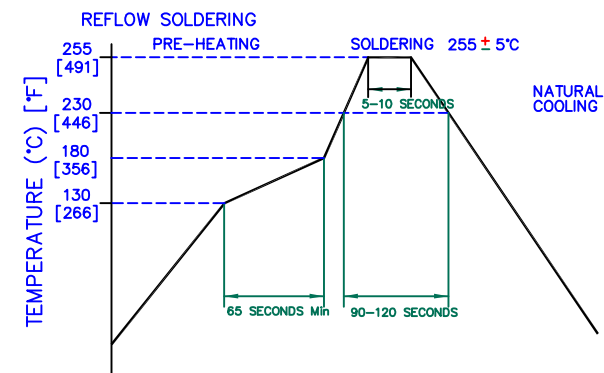
## ELECTRICAL CHARACTERISTICS:

| Z @ 50MHz<br>( $\Omega$ ) | DCR<br>( $\Omega$ ) | Rated<br>Current |
|---------------------------|---------------------|------------------|
| Nominal                   | 1500                |                  |
| Minimum                   | 1125                |                  |
| Maximum                   | 1875                | 0.300 500 mA     |

NOTES: UNLESS OTHERWISE SPECIFIED

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

## 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. |                  |        |     |
|--------------------------------|---------------------------------------------------------------------|----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|-----|
| D                              | UPDATE LAIRD LOGO AND NOTES 4                                       | 08/05/13 | QU  | PROJECT/PART NUMBER:<br><b>LF1206E152R-10</b>                                                                                                                                                                                                           |                  |        |     |
| C                              | ADD OPERATING TEMPERATURE<br>UPDATE Z IMPEDANCE AT 50MHz AND REFLOW | 02/19/13 | QU  |                                                                                                                                                                                                                                                         |                  |        |     |
| B                              | UPDATE COMPANY LOGO & ROHS SYMBOL                                   | 07/08/08 | JRK | DATE:                                                                                                                                                                                                                                                   | 09/13/06         | SCALE: | NTS |
| A                              | ORIGINAL DRAFT                                                      | 09/13/06 | JRK | CAD #                                                                                                                                                                                                                                                   | LF1206E152R-10-D | TOOL # | -   |
| REV                            | DESCRIPTION                                                         | DATE     | INT | SHEET: 2 of 2                                                                                                                                                                                                                                           |                  |        |     |

