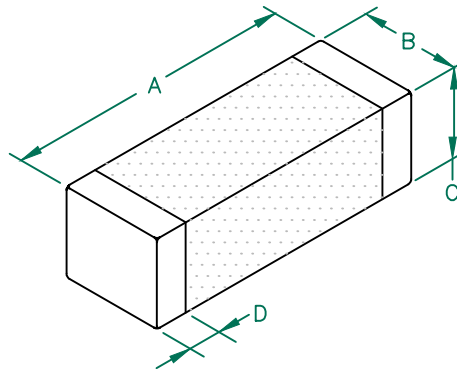


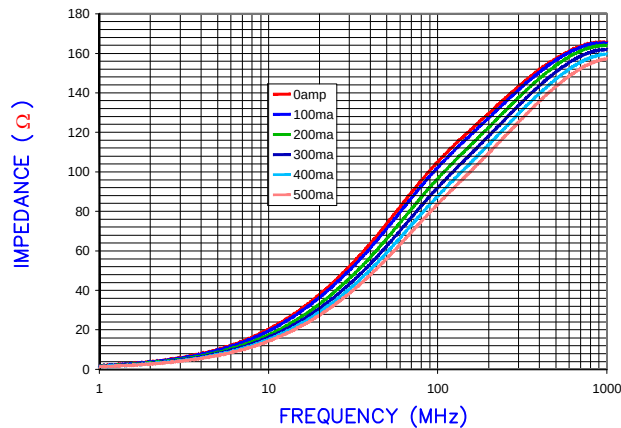
# LI1806E101R-10

## PHYSICAL DIMENSIONS:

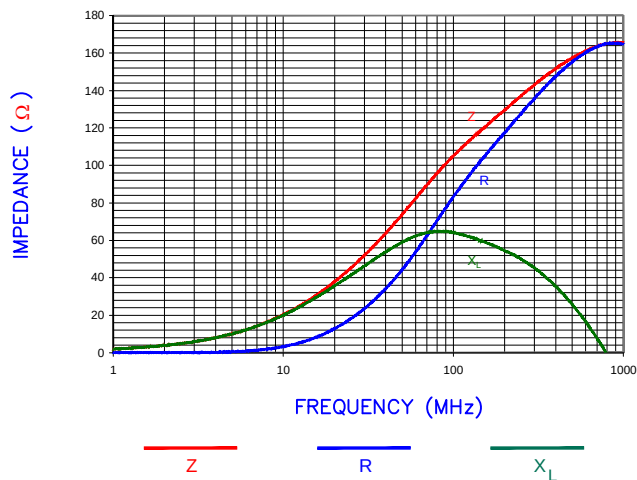
|   |             |               |
|---|-------------|---------------|
| A | 4.50 [.177] | + 0.25 [.010] |
| B | 1.60 [.063] | + 0.25 [.010] |
| C | 1.60 [.063] | + 0.25 [.010] |
| D | 0.51 [.020] | + 0.25 [.010] |



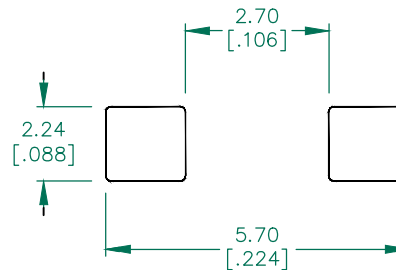
Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



|Z|, R, AND X vs. FREQUENCY



## LAND PATTERNS FOR REFLOW SOLDERING



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

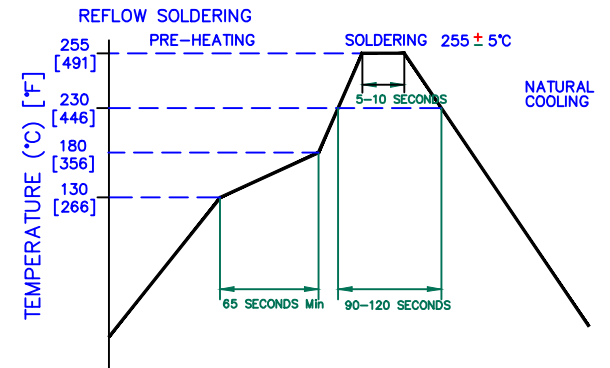
## ELECTRICAL CHARACTERISTICS:

|         | Z @ 100MHz<br>( Ω ) | DCR<br>( Ω ) | Rated<br>Current |
|---------|---------------------|--------------|------------------|
| Nominal | 100                 |              |                  |
| Minimum | 75                  |              |                  |
| Maximum | 125                 | 0.30         | 500 mA           |

NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 2000 PCS/REEL.
2. TERMINATION FINISH IS 100% TIN.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. OPERATING TEMP. RANGE: -40°C~+125°C. (INCLUDING SELF-HEATING)

## RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

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|     |                                                                 |          |     |                                               |                 |                              |                         |
|-----|-----------------------------------------------------------------|----------|-----|-----------------------------------------------|-----------------|------------------------------|-------------------------|
| D   | ADD OPERATING TEMPERATURE<br>UPDATE LAIRD LOGO AND REFLOW CURVE | 08/05/13 | QU  | PROJECT/PART NUMBER:<br><b>LI1806E101R-10</b> | REV<br><b>D</b> | PART TYPE:<br><b>CO-FIRE</b> | DRAWN BY:<br><b>TMB</b> |
| C   | CHANGE REEL QTY FROM 3K TO 2K                                   | 11/05/08 | JRK | DATE:<br>04/05/04                             | SCALE:<br>NTS   | SHEET:<br>1 of 1             |                         |
| B   | UPDATE COMPANY LOGO ADD ROHS SYM                                | 07/22/08 | JRK | CAD #<br>LI1806E101R-10-D                     | TOOL #<br>-     |                              |                         |
| A   | ORIGINAL DRAFT                                                  | 04/05/04 | TMB |                                               |                 |                              |                         |
| REV | DESCRIPTION                                                     | DATE     | INT |                                               |                 |                              |                         |

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