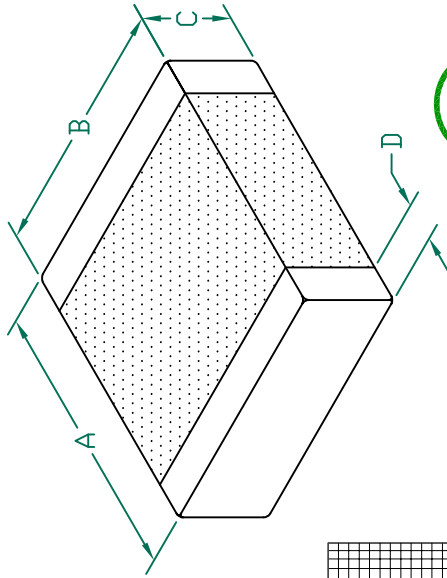


# HI2220P251R-10

UNCONTROLLED  
DOCUMENT

## PHYSICAL DIMENSIONS:

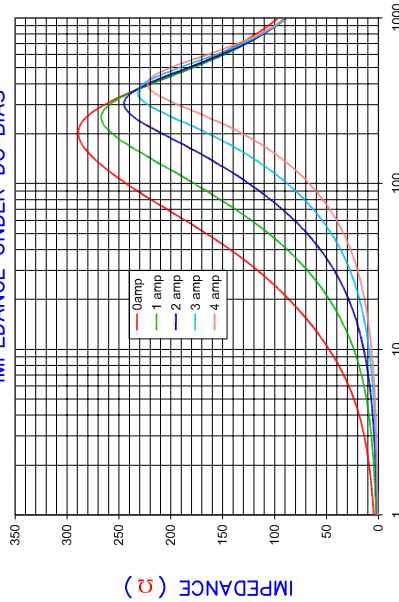
|   |             |   |             |
|---|-------------|---|-------------|
| A | 5.59 [.220] | + | 0.51 [.020] |
| B | 5.08 [.200] | + | 0.25 [.010] |
| C | 1.80 [.071] | + | 0.25 [.010] |
| D | 0.76 [.030] | + | 0.25 [.010] |



## ELECTRICAL CHARACTERISTICS:

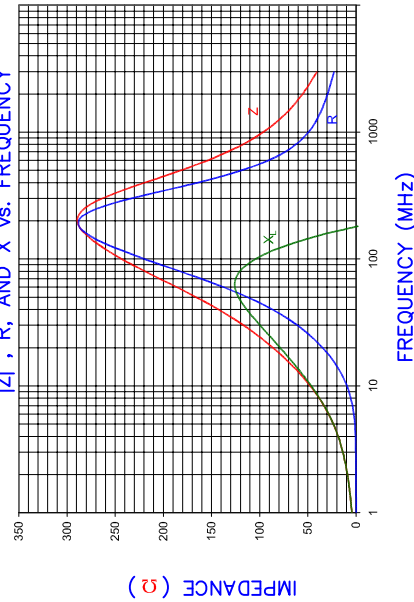
| Z @ 100MHz<br>( $\Omega$ ) | DCR<br>( $\Omega$ ) | Rated<br>Current |
|----------------------------|---------------------|------------------|
| Nominal                    | 250                 |                  |
| Minimum                    | 188                 |                  |
| Maximum                    | 313                 | 4000 mA          |

Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



FREQUENCY (MHz)

|Z|, R, AND X vs. FREQUENCY



FREQUENCY (MHz)

X<sub>L</sub>

R

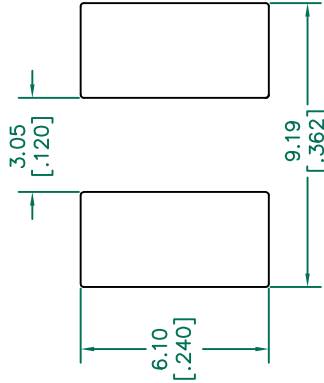
Z

## NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 13" REELS, 2,000 PCS/REEL.
2. TERMINATION FINISH IS 100% TIN.
3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
4. OPERATING TEMPERATURE TEMP: -40°C~+125°C (INCLUDING SELF-HEATING)

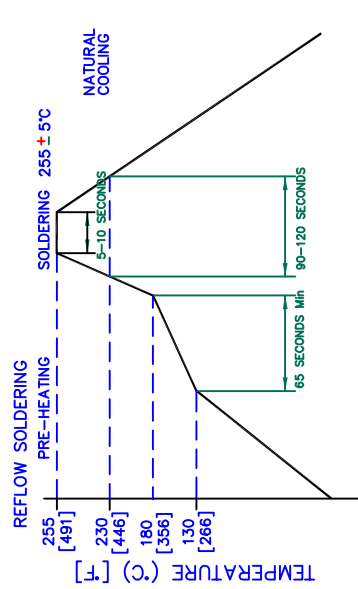


## LAND PATTERNS FOR REFLOW SOLDERING



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

## RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

| DIMENSIONS ARE IN mm [INCHES]. |                                                              |          |     | This print is the property of Laird Tech. and is loaned in confidence and 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. |  |  |  | <b>Laird</b>         |                  |           |           |
|--------------------------------|--------------------------------------------------------------|----------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------|------------------|-----------|-----------|
|                                |                                                              |          |     |                                                                                                                                                                                                                                                             |  |  |  | PROJECT/PART NUMBER: | REV              | PART TYPE | DRAWN BY: |
| C                              | ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE | 08/05/13 | QU  |                                                                                                                                                                                                                                                             |  |  |  | HI2220P251R-10       | C                | CO-FIRE   | TMB       |
| B                              | UPDATE COMPANY LOGO ADD ROHS                                 | 01/23/08 | JRK |                                                                                                                                                                                                                                                             |  |  |  | DATE:                | SCALE:           | SHEET:    |           |
| A                              | ORIGINAL DRAFT                                               | 04/03/04 | TMB |                                                                                                                                                                                                                                                             |  |  |  | GAD #                | TOOL #           | NTS       | 2 of 2    |
| REV                            | DESCRIPTION                                                  | DATE     | INT |                                                                                                                                                                                                                                                             |  |  |  | GAD #                | HI2220P251R-10-C | —         |           |

