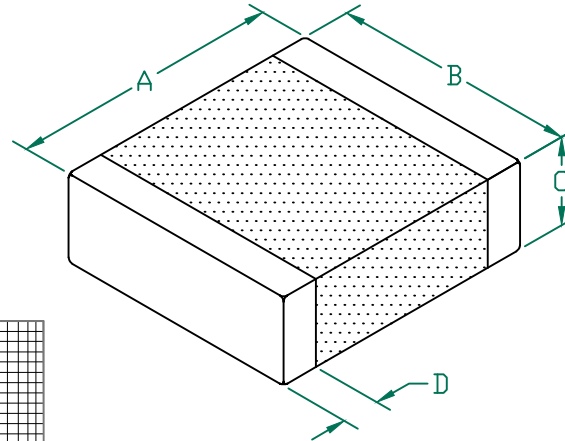


# HI2220P251R-10

## PHYSICAL DIMENSIONS:

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



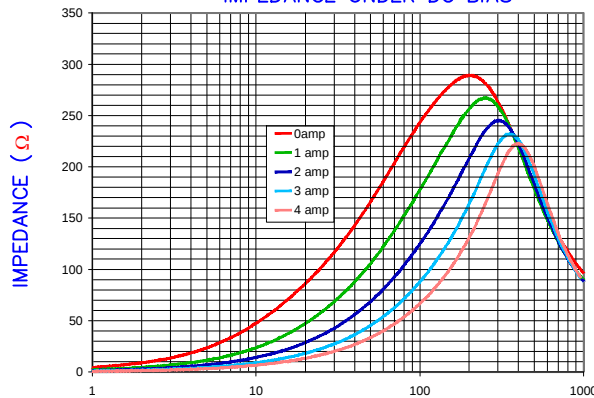
## ELECTRICAL CHARACTERISTICS:

| Z @ 100MHz<br>( $\Omega$ ) | DCR<br>( $\Omega$ ) | Rated<br>Current |
|----------------------------|---------------------|------------------|
| Nominal                    | 250                 |                  |
| Minimum                    | 188                 |                  |
| Maximum                    | 313                 | 0.015 4000 mA    |

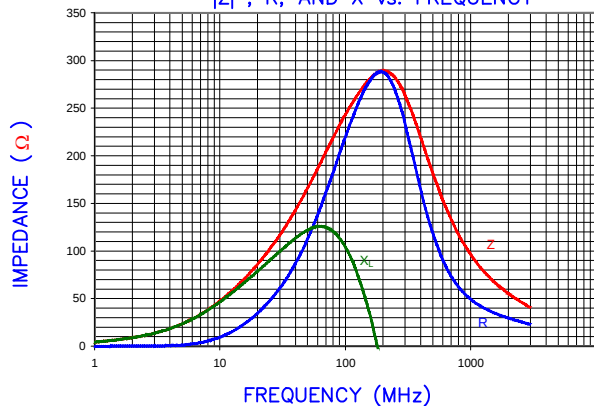
NOTES: UNLESS OTHERWISE SPECIFIED

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. OPERATEING TEMPERATURE TEMP:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$  (INCLUDING SELF-HEATING)

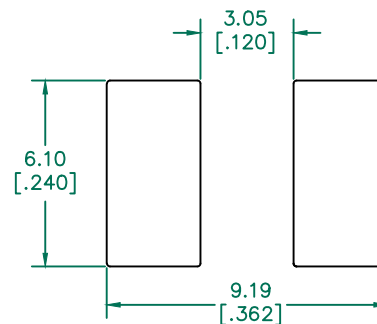
Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



FREQUENCY (MHz)  
|Z|, R, AND X vs. FREQUENCY

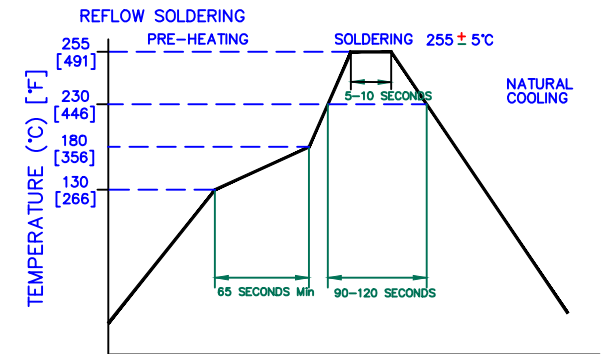


## LAND PATTERNS FOR REFLOW SOLDERING



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

## RECOMMENDED SOLDERING CONDITIONS



RoHS

DIMENSIONS ARE IN mm [INCHES].

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|     |                              |                                                              |          |     |                |                  |        |                    |               |
|-----|------------------------------|--------------------------------------------------------------|----------|-----|----------------|------------------|--------|--------------------|---------------|
| C   |                              | ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE | 08/05/13 | QU  | H12220P251R-10 |                  | REV C  | PART TYPE: CO-FIRE | DRAWN BY: TMB |
| B   | UPDATE COMPANY LOGO ADD ROHS |                                                              | 01/23/08 | JRK | DATE:          | 04/03/04         | SCALE: | NTS                | SHEET:        |
| A   | ORIGINAL DRAFT               |                                                              | 04/03/04 | TMB | CAD #          | H12220P251R-10-C | TOOL # | -                  | 1 of 1        |
| REV | DESCRIPTION                  |                                                              | DATE     | INT |                |                  |        |                    |               |

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