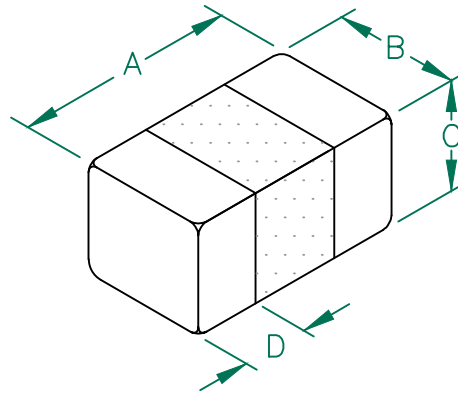


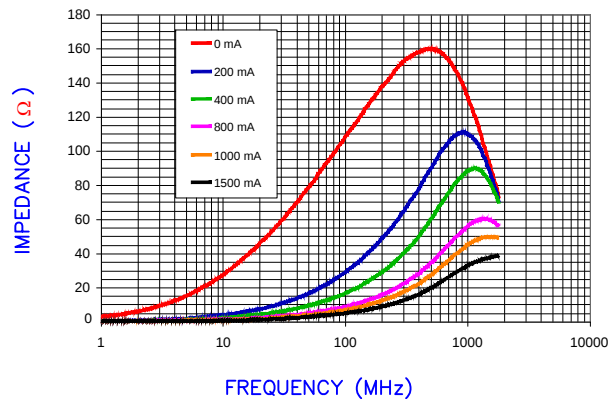
# MI0402K121R-10

## PHYSICAL DIMENSIONS:

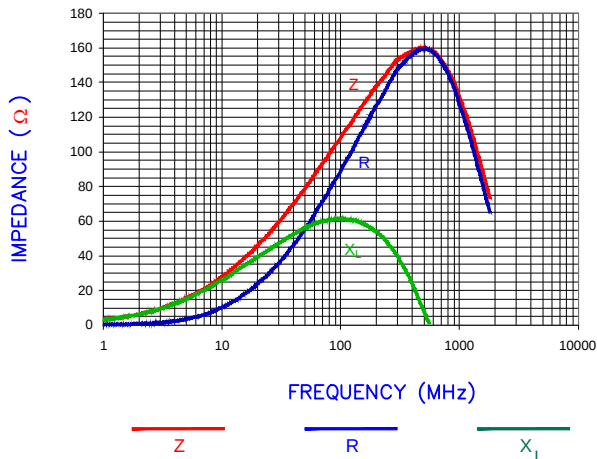
|   |             |   |             |
|---|-------------|---|-------------|
| A | 1.00 [.039] | + | 0.05 [.002] |
| B | 0.50 [.020] | + | 0.05 [.002] |
| C | 0.50 [.020] | + | 0.05 [.002] |
| D | 0.20 [.008] | + | 0.10 [.004] |



Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS

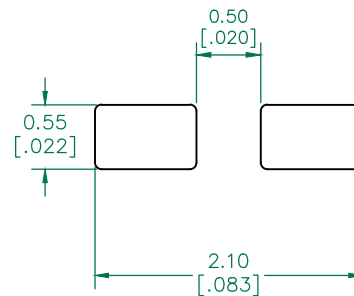


|Z|, R, AND X vs. FREQUENCY



AGILENT 4396B  
HP 16162A Test Fixture. REFERENCE 6294

LAND PATTERNS FOR REFLOW SOLDERING



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

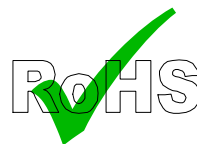
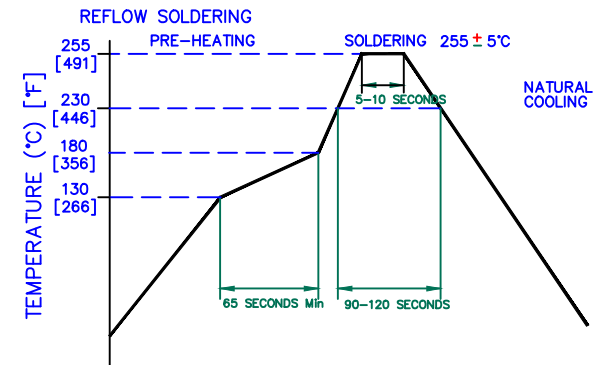
## ELECTRICAL CHARACTERISTICS:

| Z @ 100MHz<br>( $\Omega$ ) | DCR<br>( $\Omega$ ) | Rated<br>Current |
|----------------------------|---------------------|------------------|
| Nominal                    | 120                 |                  |
| Minimum                    | 90                  |                  |
| Maximum                    | 150                 | .095 1500 mA     |

NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 10,000 PCS/REEL, PAPER TAPE.
2. TERMINATION FINISH IS 100% 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)
5. COSMETIC SPECIFICATION REFER TO WI-QA-124

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                              | ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE | 08/05/13 | QU  | PROJECT/PART NUMBER: MI0402K121R-10                                                                                                                                                                                                                     |                  |        |     |
| C                              | CHANGE DCR FROM .130 TO .095                                 | 06/22/09 | JRK | DATE:                                                                                                                                                                                                                                                   | 08/15/08         | SCALE: | NTS |
| B                              | UPDATE Z CURVES                                              | 05/08/09 | JRK | CAD #                                                                                                                                                                                                                                                   | MI0402K121R-10-D | TOOL # | -   |
| A                              | ORIGINAL DRAFT                                               | 08/15/08 | JRK | SHEET: 1 of 1                                                                                                                                                                                                                                           |                  |        |     |
| REV                            | DESCRIPTION                                                  | DATE     | INT |                                                                                                                                                                                                                                                         |                  |        |     |



REV D PART TYPE: CO-FIRE DRAWN BY: JRK

# Mouser Electronics

Authorized Distributor

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