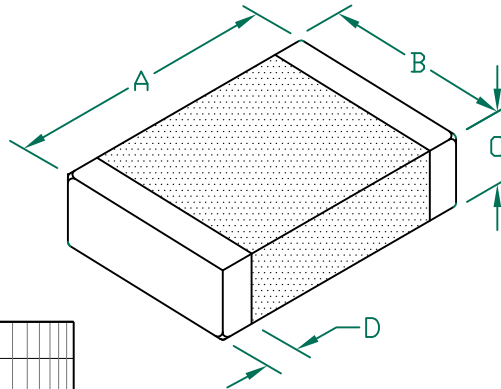


MI1812K121R-10

**UNCONTROLLED
DOCUMENT**

PHYSICAL DIMENSIONS:

| | | |
|---|-------------|-------------------|
| A | 4.50 [.177] | ± 0.25 [.010] |
| B | 3.20 [.126] | ± 0.25 [.010] |
| C | 1.40 [.055] | ± 0.25 [.010] |
| D | 0.46 [.018] | ± 0.20 [.008] |

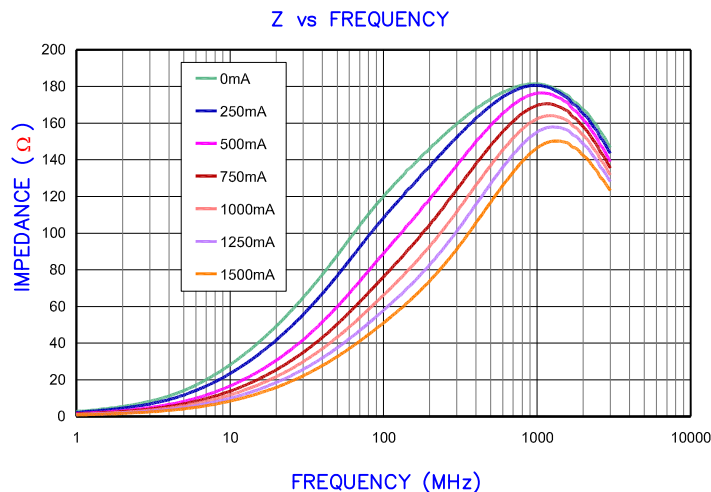


ELECTRICAL CHARACTERISTICS:

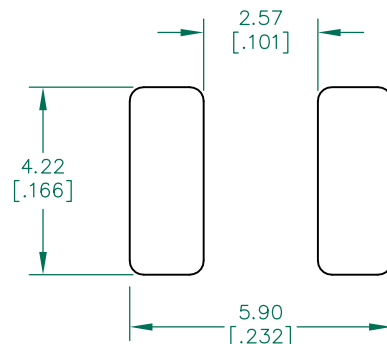
| Z @ 100MHz (Ω) | DCR (Ω) | Rated Current |
|----------------------------|---------------------|------------------|
| Nominal | 120 | |
| Minimum | 90 | |
| Maximum | 150 | 0.055 1500 mA |

NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 13" REELS, 2500 PCS/REEL.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. TERMINATION FINISH IS 100% TIN.
4. OPERATING TEMP. RANGE: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$. (INCLUDING SELF-HEATING)

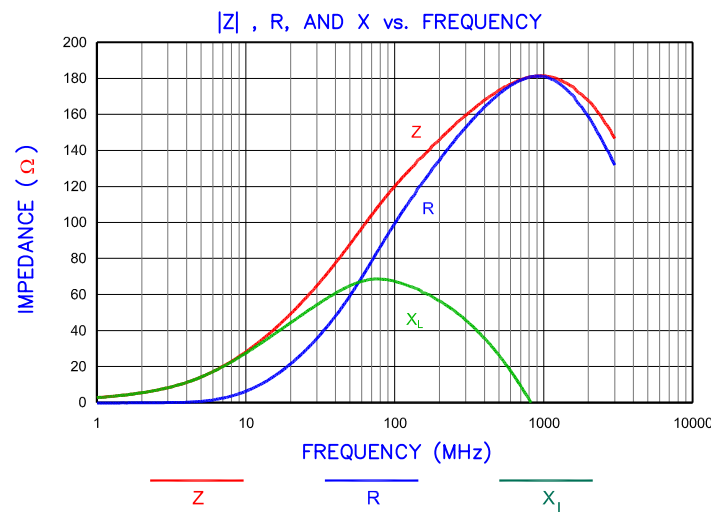
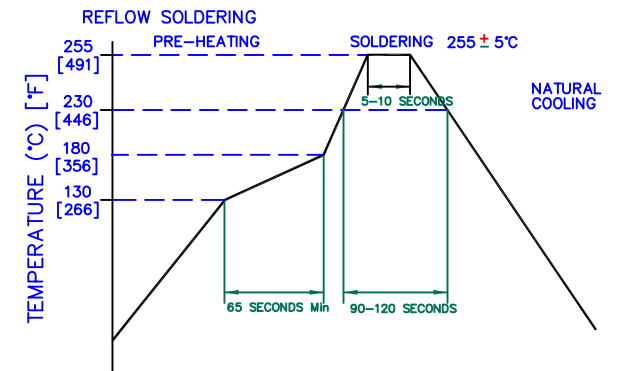


LAND PATTERNS FOR REFLOW SOLDERING



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

RECOMMENDED SOLDERING CONDITIONS



AGILENT E4991A RF Impedance/Material Analyzer
HP 16194A Test Fixture. TEST REF. 6213



| DIMENSIONS ARE IN INCHES (mm). | | | | 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. | | | |
|--------------------------------|---|----------|-----|---|------------------|--------|-----|
| | | | | Laird | | | |
| D | ADD OPERATING TEMPERATURE UPDATE LAIRD LOGO AND REFLOW CURVE | 08/05/13 | QU | PROJECT/PART NUMBER: MI1812K121R-10 | | | |
| C | UPDATE COMPANY LOGO | 09/09/08 | JRK | DATE: | 04/14/04 | SCALE: | NTS |
| B | UPDATE CURVES & COMPANY LOGO ADD ROHS | 05/16/07 | JRK | CAD # | MI1812K121R-10-D | TOOL # | - |
| A | ORIGINAL DRAFT | 04/14/04 | JRK | SHEET: 2 of 2 | | | |
| REV | DESCRIPTION | DATE | INT | | | | |

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