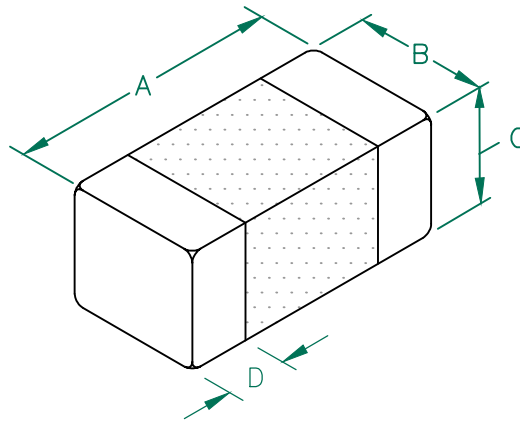


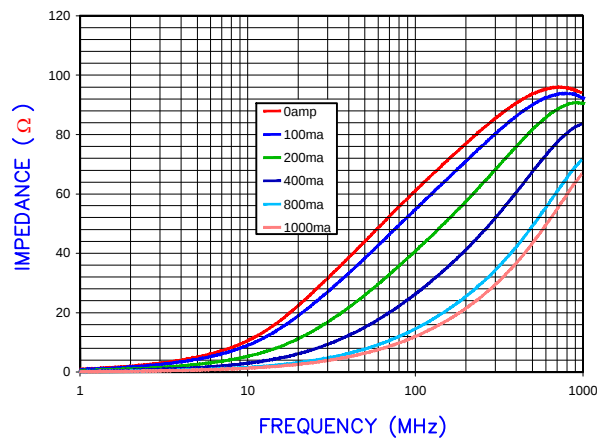
# MI0603J600R-10

## PHYSICAL DIMENSIONS:

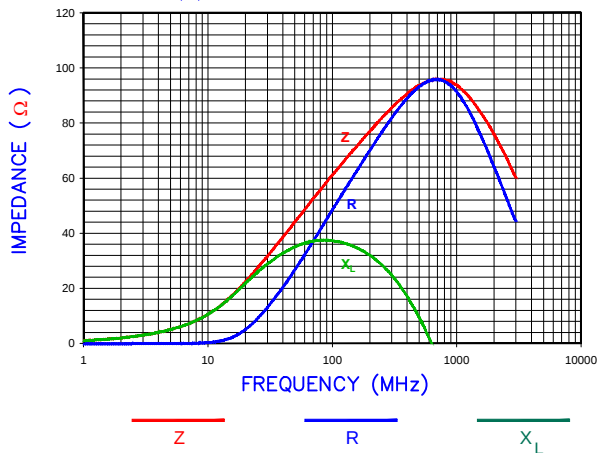
|   |             |                   |
|---|-------------|-------------------|
| A | 1.60 [.063] | $\pm$ 0.15 [.006] |
| B | 0.80 [.031] | $\pm$ 0.15 [.006] |
| C | 0.80 [.031] | $\pm$ 0.15 [.006] |
| D | 0.36 [.014] | $\pm$ 0.15 [.006] |



Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS

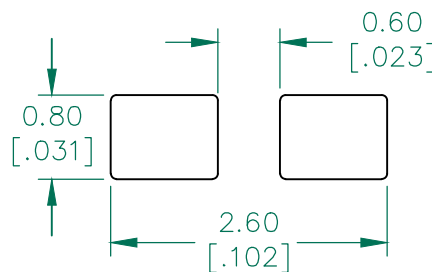


|Z|, R, AND X vs. FREQUENCY

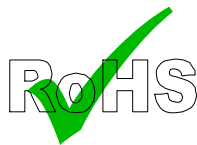


AGILENT E4991A RF Impedance/Material Analyzer  
HP 16194A Test Fixture. TEST REF. 3298

## LAND PATTERNS FOR REFLOW SOLDERING



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



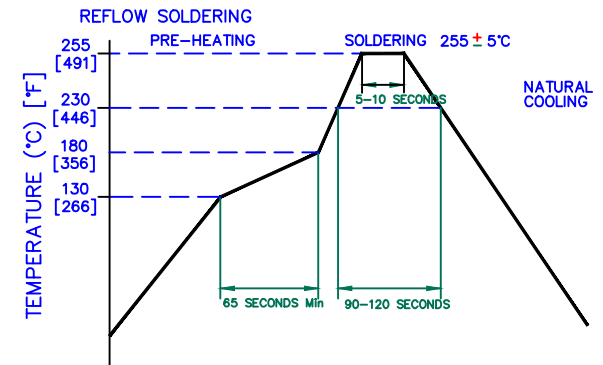
## ELECTRICAL CHARACTERISTICS:

|         | Z @ 100MHz<br>( $\Omega$ ) | DCR<br>( $\Omega$ ) | Rated<br>Current |
|---------|----------------------------|---------------------|------------------|
| Nominal | 60                         |                     |                  |
| Minimum | 45                         |                     |                  |
| Maximum | 75                         | 0.100               | 1000 mA          |

NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 4000 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)

## 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 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. |                        |  |  |  |          |            |           |
|                               |                                                                 |  |          |                                                                                                                                                                                                                                                         |                        |  |  |                                                                                       |          |            |           |
|                               |                                                                 |  |          |                                                                                                                                                                                                                                                         |                        |  |  |                                                                                       |          |            |           |
|                               |                                                                 |  |          |                                                                                                                                                                                                                                                         |                        |  |  |                                                                                       |          |            |           |
|                               |                                                                 |  |          |                                                                                                                                                                                                                                                         |                        |  |  |                                                                                       |          |            |           |
| E                             | ADD OPERATING TEMPERATURE<br>UPDATE LAIRD LOGO AND REFLOW CURVE |  | 08/05/13 | QU                                                                                                                                                                                                                                                      | PROJECT/PART NUMBER:   |  |  |                                                                                       | REV      | PART TYPE: | DRAWN BY: |
| D                             | UPDATE COMPANY LOGO                                             |  | 07/24/08 | JRK                                                                                                                                                                                                                                                     | MI0603J600R-10         |  |  |                                                                                       | E        | CO-FIRE    | TMB       |
| C                             | CORRECT REEL SIZE AND QTY                                       |  | 04/11/06 | JRK                                                                                                                                                                                                                                                     | DATE: 04/05/04         |  |  |                                                                                       | SCALE: - | SHEET:     |           |
| B                             | CORRECT REF # FROM 3289 TO 3298                                 |  | 07/22/05 | JRK                                                                                                                                                                                                                                                     | CAD # MI0603J600R-10-E |  |  |                                                                                       | TOOL # - | 1 of 1     |           |
| A                             | ORIGINAL DRAFT                                                  |  | 04/05/04 | TMB                                                                                                                                                                                                                                                     |                        |  |  |                                                                                       |          |            |           |
| REV                           | DESCRIPTION                                                     |  | DATE     | INT                                                                                                                                                                                                                                                     |                        |  |  |                                                                                       |          |            |           |

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