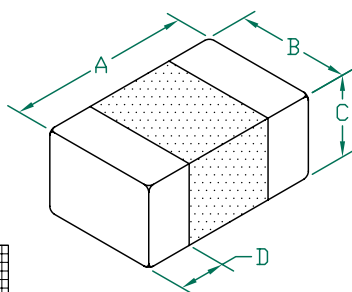


# HZ0805G471R-10

**UNCONTROLLED DOCUMENT**

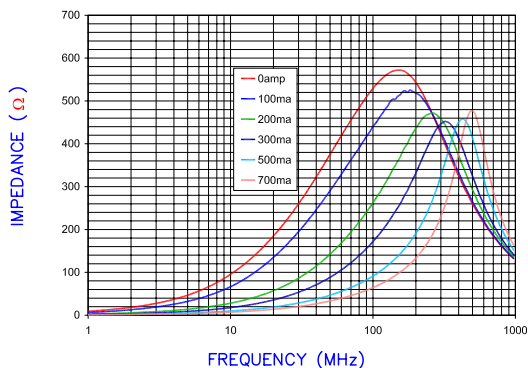
**PHYSICAL DIMENSIONS:**

|   |             |                   |
|---|-------------|-------------------|
| A | 2.00 [.079] | $\pm$ 0.20 [.008] |
| B | 1.25 [.049] | $\pm$ 0.20 [.008] |
| C | 0.85 [.033] | $\pm$ 0.20 [.008] |
| D | 0.51 [.020] | $\pm$ 0.25 [.010] |

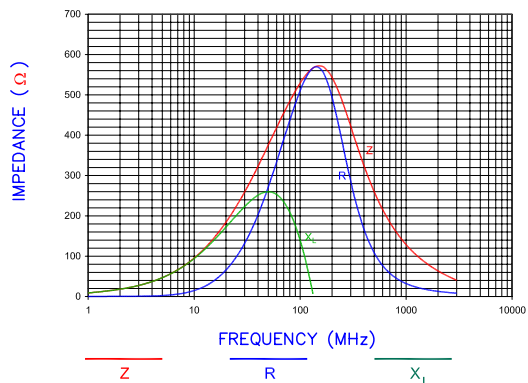


| ELECTRICAL CHARACTERISTICS: |                  |               |
|-----------------------------|------------------|---------------|
| Z @ 100MHz ( $\Omega$ )     | DCR ( $\Omega$ ) | Rated Current |
| Nominal                     | 470              |               |
| Minimum                     | 353              |               |
| Maximum                     | 588              | 700 mA        |

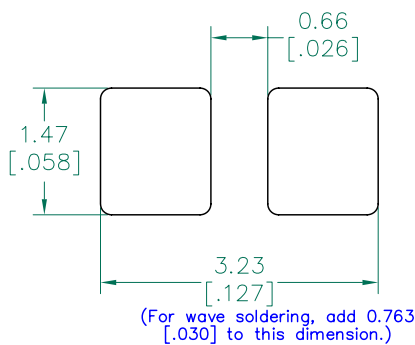
Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



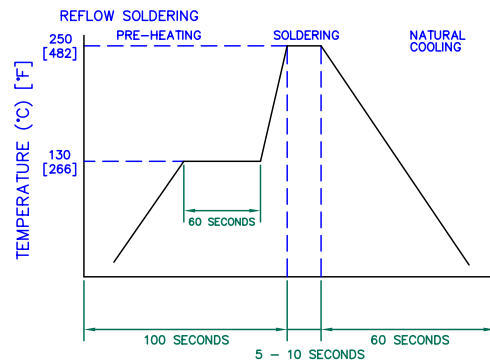
|Z|, R, AND X vs. FREQUENCY



LAND PATTERNS FOR REFLOW SOLDERING



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. |                              | <b>Laird TECHNOLOGIES</b>        |                         |
| PROJECT/PART NUMBER:<br><b>HZ0805G471R-10</b> |                              | REV<br><b>C</b>   | PART TYPE:<br><b>CO-FIRE</b> | DRAWN BY:<br><b>TMB</b>          |                         |
| <b>C</b>                                      | <b>CHANGE TO PAPER TAPE</b>  | <b>03/03/10</b>   | <b>JUN</b>                   |                                  |                         |
| <b>B</b>                                      | UPDATE COMPANY LOGO ADD ROHS | <b>03/24/08</b>   | <b>JRK</b>                   | DATE:<br><b>04/03/04</b>         | SCALE:<br><b>NTS</b>    |
| <b>A</b>                                      | ORIGINAL DRAFT               | <b>04/03/04</b>   | <b>TMB</b>                   | CAD #<br><b>HZ0805G471R-10-C</b> | SHEET:<br><b>2 of 2</b> |
| REV   | DESCRIPTION                  | DATE  | INT                          | TOOL #                           |                         |

AGILENT E4991A RF Impedance/Material Analyzer  
HP 16194A Test Fixture. TEST REF. 3228