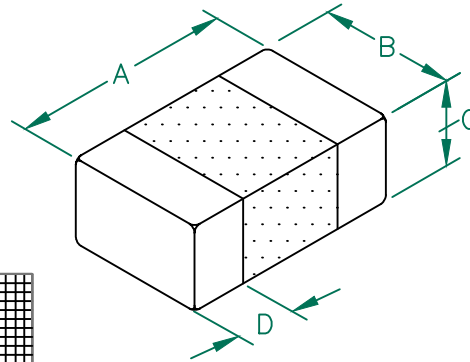


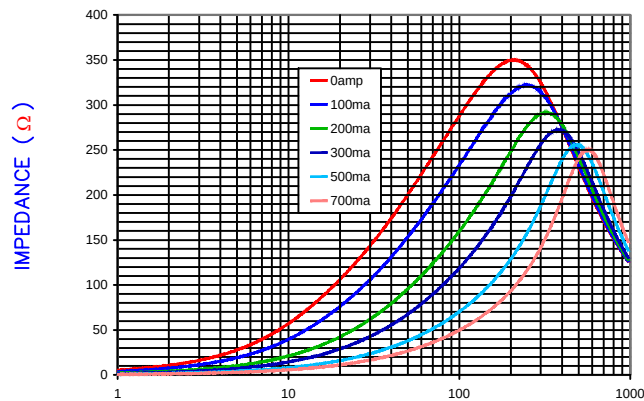
# LI0805G301R-10

## PHYSICAL DIMENSIONS:

|   |             |               |
|---|-------------|---------------|
| A | 2.00 [.079] | + 0.20 [.008] |
| B | 1.25 [.049] | + 0.20 [.008] |
| C | 0.90 [.035] | + 0.20 [.008] |
| D | 0.51 [.020] | + 0.25 [.010] |

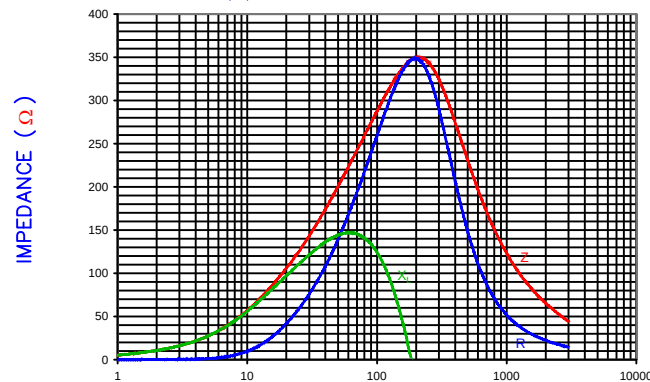


Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS



FREQUENCY (MHz)

|Z|, R, AND X vs. FREQUENCY



FREQUENCY (MHz)

Z

R

X<sub>L</sub>

AGILENT E4991A RF Impedance/Material Analyzer  
HP 16194A Test Fixture. TEST REF. 3235

RoHS

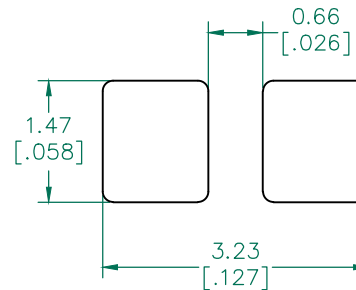
## ELECTRICAL CHARACTERISTICS:

|         | Z @ 100MHz<br>(Ω) | DCR<br>(Ω) | Rated<br>Current |
|---------|-------------------|------------|------------------|
| Nominal | 300               |            |                  |
| Minimum | 225               |            |                  |
| Maximum | 375               | 0.2        | 700 mA           |

NOTES: UNLESS OTHERWISE SPECIFIED

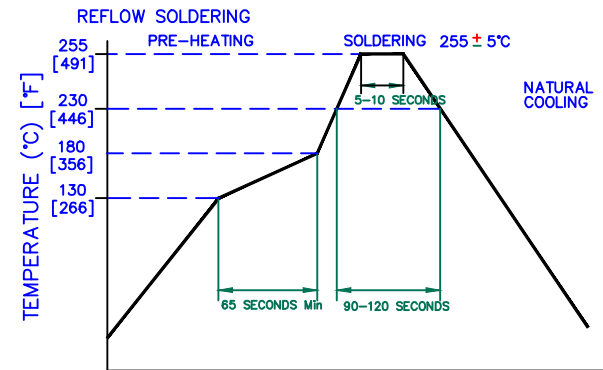
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 4000 PCS/REEL, PAPER TAPE.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. TERMINATION FINISH IS 100% TIN.
4. OPERATING TEMP. RANGE: -40°C~+125°C. (INCLUDING SELF-HEATING)

## LAND PATTERNS FOR REFLOW SOLDERING



(For wave soldering, add 0.763 [.030] to this dimension.)

## RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

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|     |                                                                 |          |     |                                               |              |                              |                         |
|-----|-----------------------------------------------------------------|----------|-----|-----------------------------------------------|--------------|------------------------------|-------------------------|
| D   | ADD OPERATING TEMPERATURE<br>UPDATE LAIRD LOGO AND REFLOW CURVE | 08/05/13 | QU  | PROJECT/PART NUMBER:<br><b>LI0805G301R-10</b> | REV <b>D</b> | PART TYPE:<br><b>CO-FIRE</b> | DRAWN BY:<br><b>JRK</b> |
| C   | CHANGE TO PAPER TAPE                                            | 03/04/10 | JUN |                                               |              |                              |                         |
| B   | UPDATE COMPANY LOGO ADD ROHS SYM                                | 07/21/08 | JRK | DATE: 04/13/04                                | SCALE: NTS   | SHEET: 1 of 1                |                         |
| A   | ORIGINAL DRAFT                                                  | 04/13/04 | JRK | CAD #                                         | TOOL #       |                              |                         |
| REV | DESCRIPTION                                                     | DATE     | INT | LI0805G301R-10-D                              |              |                              |                         |

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