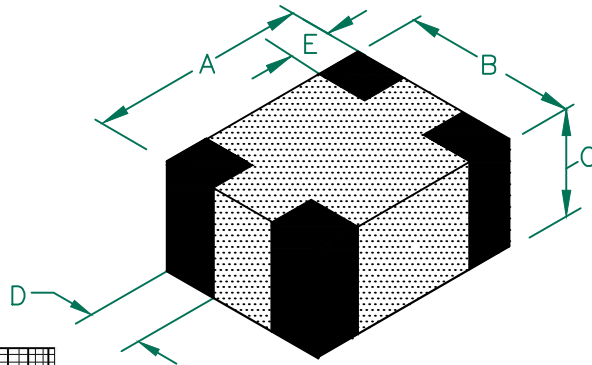


# CF0805D670R-10

## PHYSICAL DIMENSIONS:

|   |             |                   |
|---|-------------|-------------------|
| A | 2.00 [.079] | $\pm 0.20$ [.008] |
| B | 1.25 [.049] | $\pm 0.20$ [.008] |
| C | 1.00 [.039] | $\pm 0.10$ [.004] |
| D | 0.30 [.012] | $\pm 0.20$ [.008] |
| E | 0.40 [.016] | $\pm 0.20$ [.008] |

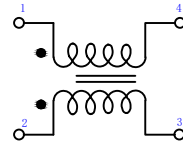
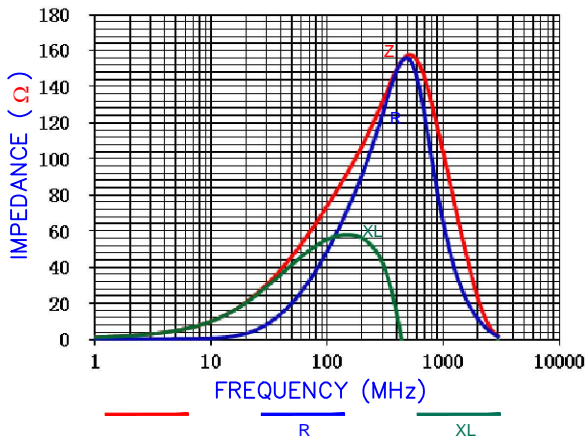


| ELECTRICAL CHARACTERISTICS:    |          |         |         |         |
|--------------------------------|----------|---------|---------|---------|
| Common Mode Impedance @ 100MHz | Units    | Nominal | Minimum | Maximum |
|                                | $\Omega$ | 67      | 50      | 84      |
| DCR                            | $\Omega$ | -       | -       | 0.4     |
| Rated Current                  | mA DC    | -       | -       | 400     |

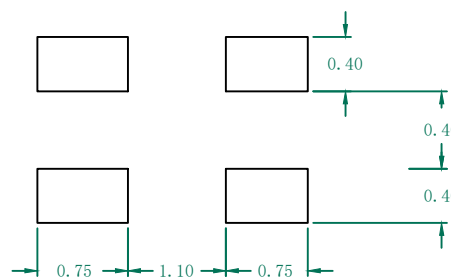
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, EMBOSSED PLASTIC TAPE, 3000 PCS/REEL.
2. TERMINATION FINISH IS 100% MATTE 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)

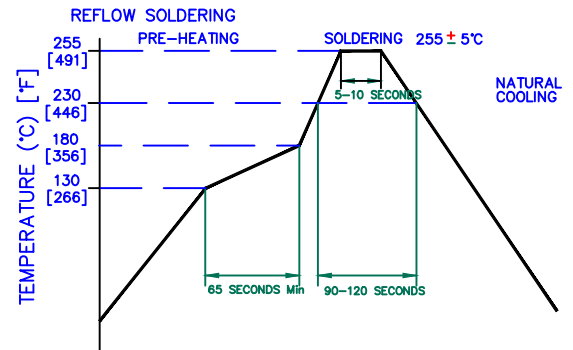
Z, R, XL vs. FREQUENCY



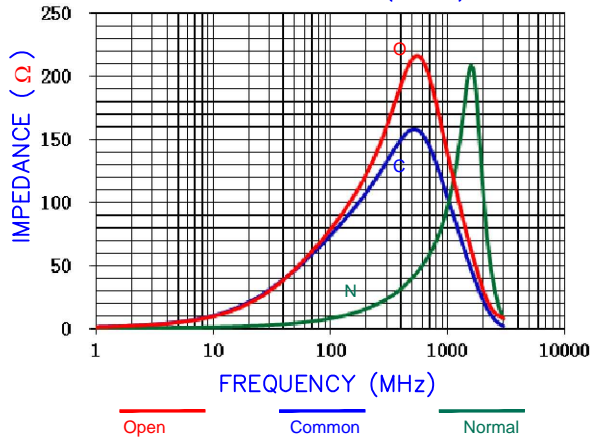
LAND PATTERNS FOR REFLOW SOLDERING



RECOMMENDED SOLDERING CONDITIONS



Z vs. FREQUENCY (C,N,O)



| 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. |                 |                       |                  |
|--------------------------------|--|----------|-----|---|-----------------|-----------------------|------------------|
| C                              | ADD OPERATING TEMPERATURE<br>UPDATE COMPANY LOGO | 08/05/13 | QU  | PROJECT/PART NUMBER:<br><b>CF0805D670R-10</b>   | REV<br><b>C</b> | PART TYPE:<br>CO-FIRE | DRAWN BY:<br>JUN |
| B                              | UPDATE REFLOW<br>UPDATE Z, R, X AND C,N,O CURVE  | 12/23/12 | QU  | DATE:<br>03/02/10   | SCALE:<br>NTS   | SHEET:<br>1 of 1      |                  |
| A                              | ORIGINAL DRAFT                                   | 03/02/10 | JUN | CAD #<br>CF0805D670R-10-C   | TOOL #<br>-     |                       |                  |
| REV                            | DESCRIPTION                                      | DATE     | INT |   |                 |                       |                  |