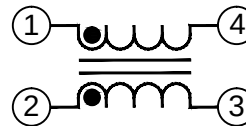
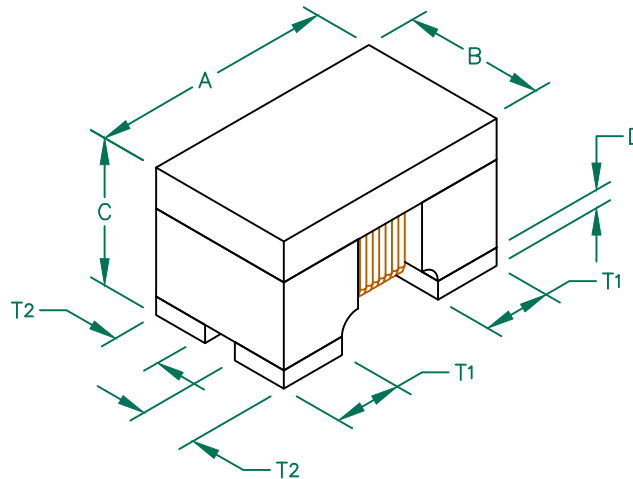


# CM0805C601R-10

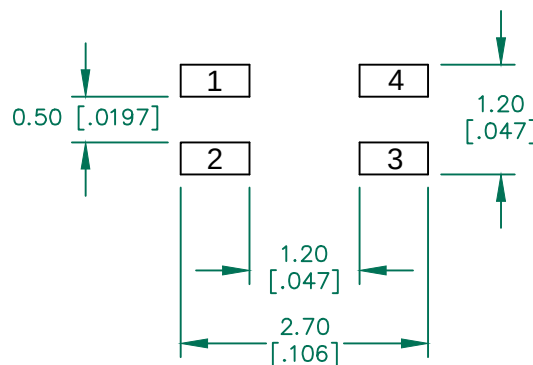
## PHYSICAL DIMENSIONS:

|   |             |   |             |
|---|-------------|---|-------------|
| A | 2.00 [.079] | + | 0.20 [.008] |
| B | 1.20 [.047] | + | 0.20 [.008] |
| C | 1.20 [.047] | + | 0.20 [.008] |
| D | 0.15 [.006] | + | 0.10 [.004] |

|    |             |   |             |
|----|-------------|---|-------------|
| T1 | 0.55 [.022] | + | 0.10 [.004] |
| T2 | 0.46 [.018] | + | 0.10 [.004] |



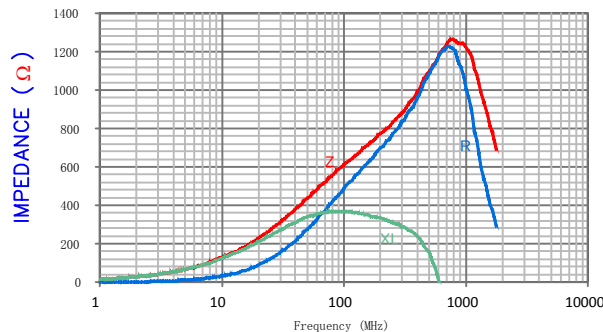
## LAND PATTERNS FOR REFLOW SOLDERING



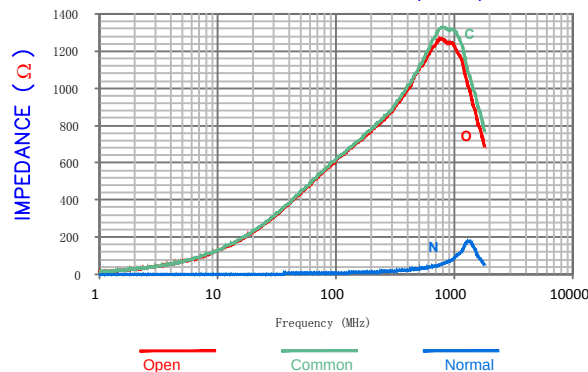
| Electrical Characteristics     |              | Nominal | Min | Max   |
|--------------------------------|--------------|---------|-----|-------|
| Common Mode Impedance @ 100MHz | ( $\Omega$ ) | 600     | 450 | 750   |
| DCR                            | ( $\Omega$ ) | —       | —   | 0.375 |
| Rated Current                  | (mA)         | —       | —   | 250   |

- NOTES: UNLESS OTHERWISE SPECIFIED
1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, EMBOSSED PLASTIC TAPE 2,000 PCS/REEL.
  2. TERMINATION FINISH 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)
  5. COSMETIC SPECIFICATION REFER TO WI-QA-124

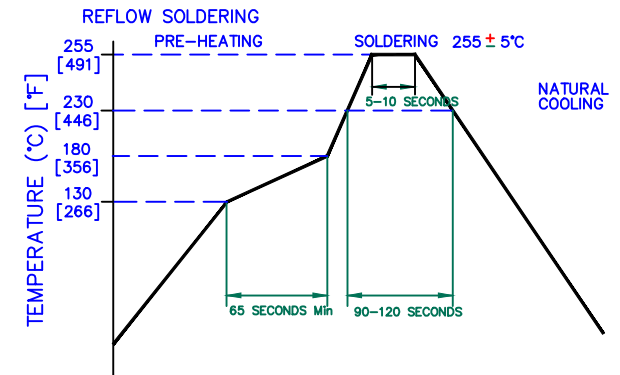
## Z, R, XL vs. FREQUENCY



## Z vs. FREQUENCY (C,N,O)



## 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. |     |       |                  | <div></div> |                |           |        |        |     |             |        |  |
|                                                                   |             |  |  |                                                                                                                                                                                                                                                         |     |       |                  |                                                                                                  |                |           |        |        |     |             |        |  |
|                                                                   |             |  |  |                                                                                                                                                                                                                                                         |     |       |                  |                                                                                                  |                |           |        |        |     |             |        |  |
|                                                                   |             |  |  |                                                                                                                                                                                                                                                         |     |       |                  |                                                                                                  |                |           |        |        |     |             |        |  |
|                                                                   |             |  |  |                                                                                                                                                                                                                                                         |     |       |                  |                                                                                                  |                |           |        |        |     |             |        |  |
|                                                                   |             |  |  | PROJECT/PART NUMBER:                                                                                                                                                                                                                                    |     |       |                  | REV                                                                                              | PART TYPE:     | DRAWN BY: |        |        |     |             |        |  |
| B ADD OPERATING TEMPERATURE<br>UPDATE LAIRD LOGO AND REFLOW CURVE |             |  |  | 08/05/13                                                                                                                                                                                                                                                |     |       |                  | QU                                                                                               | CM0805C601R-10 |           |        |        | B   | CM<br>CHOKE | JUN    |  |
| A ORIGINAL DRAFT                                                  |             |  |  | 02/22/10                                                                                                                                                                                                                                                |     |       |                  | JUN                                                                                              | DATE:          | 02/22/10  |        | SCALE: | NTS |             | SHEET: |  |
| REV                                                               | DESCRIPTION |  |  | DATE                                                                                                                                                                                                                                                    | INT | CAD # | CM0805C601R-10-B |                                                                                                  |                |           | TOOL # | -      |     | 1 of 1      |        |  |
|                                                                   |             |  |  |                                                                                                                                                                                                                                                         |     |       |                  |                                                                                                  |                |           |        |        |     |             |        |  |