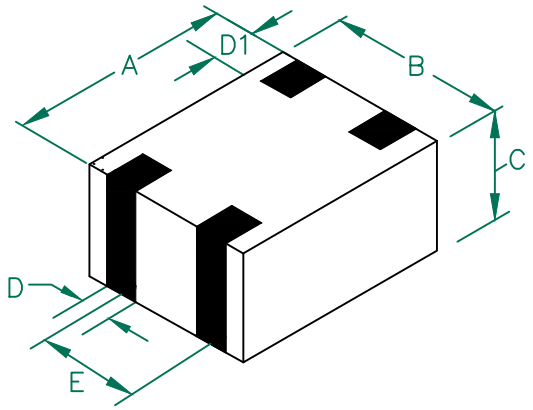
# CF0504C900R-10

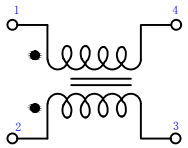
## PHYSICAL DIMENSIONS:

| | | |
|---|---|---|
| A | 1.25 [.049] | ± 0.10 [.004] |
| B | 1.00 [.039] | ± 0.10 [.004] |
| C | 0.82 [.032] | ± 0.10 [.004] |
| D | 0.30 [.012] | ± 0.10 [.004] |
| D1 | 0.20 [.008] | ± 0.15 [.006] |
| E | 0.50 [.020] | ± 0.10 [.004] |




## ELECTRICAL CHARACTERISTICS:

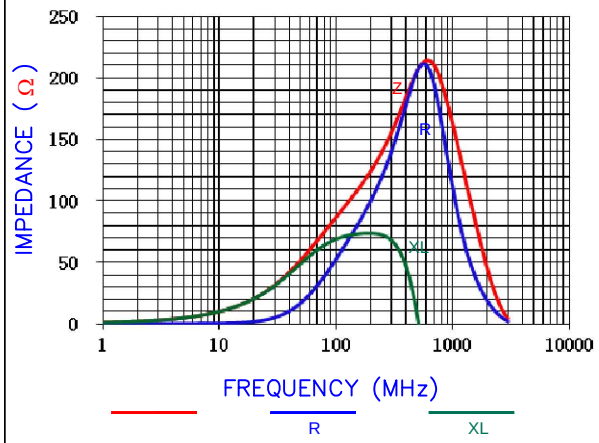
| | Units | Nominal | Minimum | Maximum |
|---|---|---|---|---|
| Common Mode Impedance @ 100MHz | Ω | 90 | 68 | 113 |
| DCR | Ω | – | – | 0.6 |
| Rated Current | mA DC | – | – | 300 |



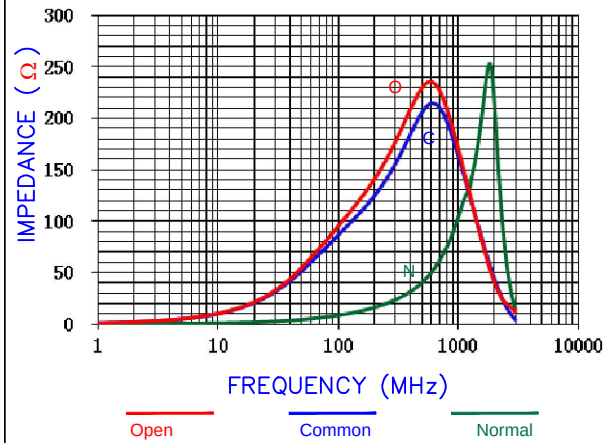

NOTES: UNLESS OTHERWISE SPECIFIED

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

### Z, R , XL vs. FREQUENCY

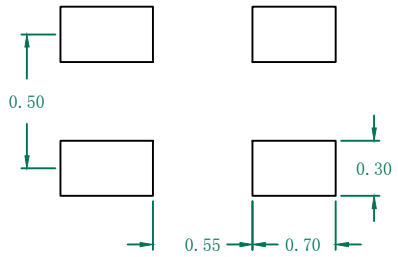



### Z vs. FREQUENCY (C,N,O)

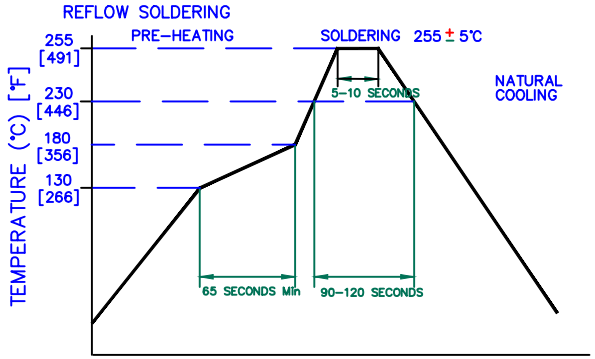



AGILENT E4991A RF Impedance/Material Analyzer
AGILENT 16194A Test Fixture .

### LAND PATTERNS FOR REFLOW SOLDERING




### RECOMMENDED SOLDERING CONDITIONS




RoHS

| REV | DESCRIPTION | DATE | INT |
|---|---|---|---|
| C | ADD OPERATING TEMPERATURE<br>UPDATE COMPANY LOGO | 08/05/13 | QU |
| B | UPDATE REFLOW<br>UPDATE Z, R, X AND C,N,O CURVE | 12/23/12 | QU |
| A | ORIGINAL DRAFT | 03/02/10 | JUN |

DIMENSIONS ARE IN mm [INCHES].

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Laird

| PROJECT/PART NUMBER: | REV | PART TYPE: | DRAWN BY: |
|---|---|---|---|
| CF0504C900R−10 | C | CO−FIRE | JUN |

| DATE: | SCALE: | SHEET: |
|---|---|---|
| 03/02/10 | NTS | 1 of 1 |

CAD # CF0504C900R−10−C
TOOL # –