

# 29F0303-0T0-10

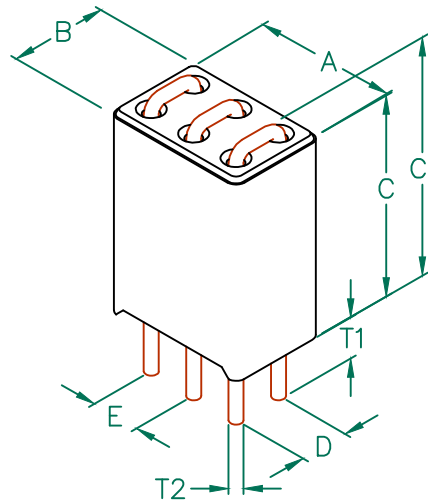
RoHS

## PHYSICAL DIMENSIONS:

|    |       |        |        |         |
|----|-------|--------|--------|---------|
| A  | 7.62  | [.300] | + 0.13 | [-.005] |
| B  | 5.08  | [.200] | + 0.08 | [-.003] |
| C  | 10.44 | [.411] | + 0.20 | [-.008] |
| C1 | 11.43 | [.450] | MAX    |         |
| D  | 2.54  | [.100] | + 0.13 | [-.005] |
| E  | 2.54  | [.100] | + 0.13 | [-.005] |

## WIRE DIMENSIONS:

|    |      |        |     |
|----|------|--------|-----|
| T1 | 3.18 | [.125] | TYP |
| T2 | 0.64 | [.025] | REF |

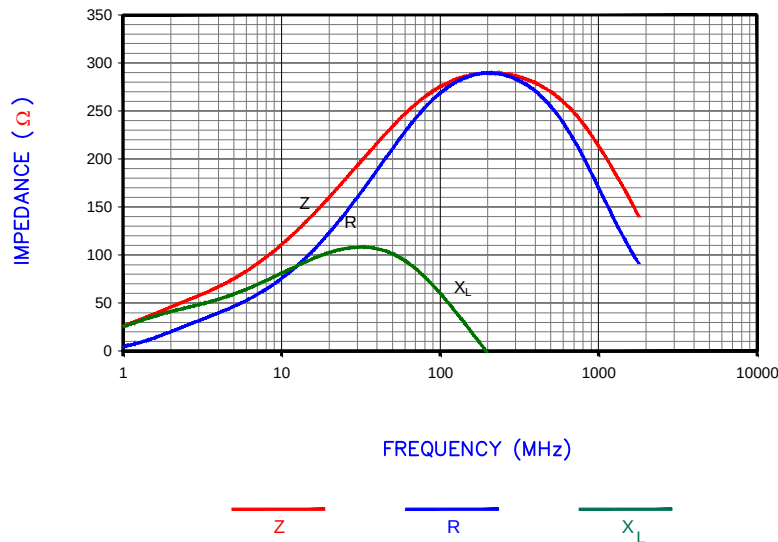


| ELECTRICAL CHARACTERISTICS: |                     |               |                        |
|-----------------------------|---------------------|---------------|------------------------|
| Z @ 100MHz<br>( $\Omega$ )  | DCR<br>( $\Omega$ ) | Rated Current | Rated Voltage<br>(VDC) |
| Nominal                     | 266                 |               |                        |
| Minimum                     | 200                 |               |                        |
| Maximum                     | 333                 | 0.01          | 8,000 mA               |
|                             |                     |               | 290                    |

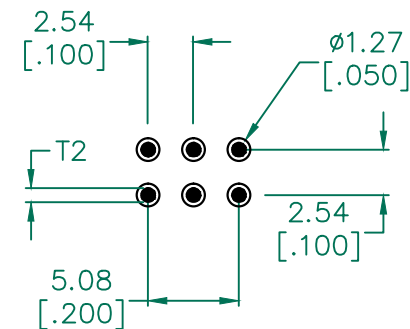
NOTES: UNLESS OTHERWISE SPECIFIED

1. BULK PACKED, 1260 per CASE.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. TERMINATION FINISH IS 100% TIN.
4. OPERATION TEMPERATURE (INCLUDING SELF-HEATING):  
-40 ~ +125°C.

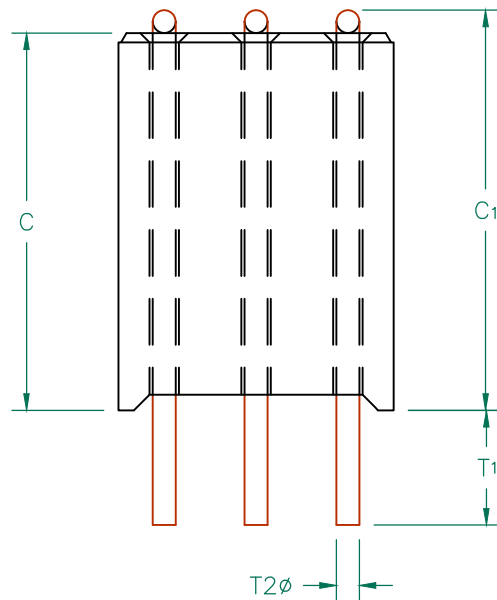
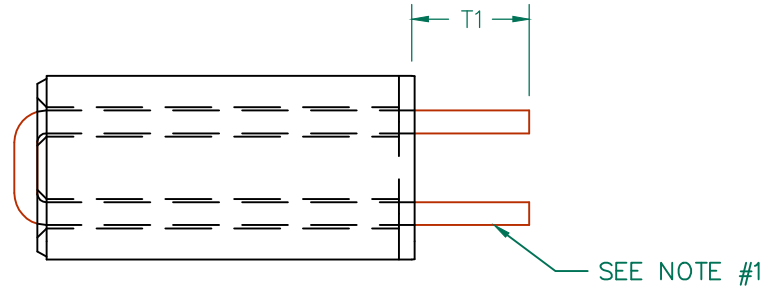
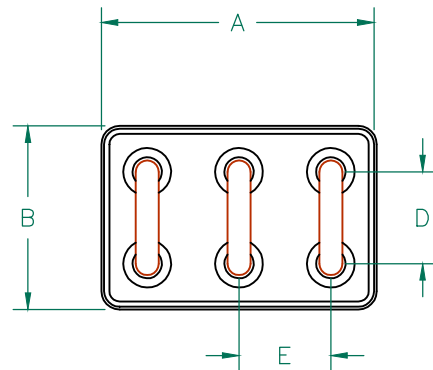
|Z|, R, AND X vs. FREQUENCY



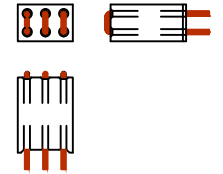
## HOLE PATTERN FOR THRU-HOLE INSERTION



| 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. |                    |        |       |
|-------------------------------|-------------------------------------|----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|-------|
| D                             | ADD RATED VOLTAGE AND NOTE 4        | 08/30/12 | QIU | 29F0303-0T0-10                                                                                                                                                                                                                                          |                    |        |       |
| C                             | ADD ROHS SYMBOL UPDATE COMPANY LOGO | 09/20/08 | JRK |                                                                                                                                                                                                                                                         |                    |        |       |
| B                             | UPDATE COMPANY LOGO                 | 04/24/07 | JRK | DATE:                                                                                                                                                                                                                                                   | 04/28/04           | SCALE: | NTS   |
| A                             | ORIGINAL DRAFT                      | 04/28/04 | JRK | CAD #                                                                                                                                                                                                                                                   | 29F0303-0T0-10-D-1 | TOOL # | H0303 |
| REV                           | DESCRIPTION                         | DATE     | INT | 1 of 2                                                                                                                                                                                                                                                  |                    |        |       |



SCALE DRAWING 1:1



29F0303-0T0-10

### ELECTRICAL TESTING

| TEST:       | Z            | Z            |
|-------------|--------------|--------------|
| # TURNS     | 1            | 1            |
| AWG         | 22           | 22           |
| FREQUENCY   | 25 MHz       | 100 MHz      |
| NOMINAL     | 162 $\Omega$ | 266 $\Omega$ |
| MINIMUM     | - $\Omega$   | 200 $\Omega$ |
| MAXIMUM     | - $\Omega$   | - $\Omega$   |
| WEIGHT/1000 | 1.78 kgs.    | 3.92 lbs.    |

### NOTES:

- REF. STEWARD WIRE SPEC. W0303-\*
- IMPEDANCE VALUES ARE GROSS, MEASURED USING W0303-\*. WIRE.
- REF. STEWARD CORE P/N 29H0303-000.
- TERMINATION FINISH IS 100% TIN.

### BARE DIMENSIONS:

|    |              |   |             |
|----|--------------|---|-------------|
| A  | 7.62 [.300]  | ± | 0.13 [.005] |
| B  | 5.08 [.200]  | ± | 0.08 [.003] |
| C  | 10.44 [.411] | ± | 0.20 [.008] |
| C1 | 11.43 [.450] | ± | MAX         |
| D  | 2.54 [.100]  | ± | 0.13 [.005] |
| E  | 2.54 [.100]  | ± | 0.13 [.005] |

### WIRE DIMENSIONS:

|    |             |   |     |
|----|-------------|---|-----|
| T1 | 3.18 [.125] | ± | TYP |
| T2 | 0.64 [.025] | ± | REF |

RoHS

| 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. |  |        |            |
|--------------------------------|-------------------------------------|----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|------------|
| D                              | ADD RATED VOLTAGE AND NOTE 4        | 08/30/12 | QIU | PROJECT/PART NUMBER:                                                                                                                                                                                                                                    |  | REV    | PART TYPE: |
| C                              | ADD ROHS SYMBOL UPDATE COMPANY LOGO | 00/20/08 | JRK | 29F0303-0T0-10                                                                                                                                                                                                                                          |  | D      | ASSEMBLY   |
| B                              | UPDATE COMPANY LOGO                 | 04/24/07 | JRK | DATE: 04/28/04                                                                                                                                                                                                                                          |  | SCALE: | NTS        |
| A                              | ORIGINAL DRAFT                      | 04/28/04 | JRK | CAD # 29F0303-0T0-10-D-2                                                                                                                                                                                                                                |  | SHEET: | 2 of 2     |
| REV                            | DESCRIPTION                         | DATE     | INT | TOOL # H0303                                                                                                                                                                                                                                            |  |        |            |

**Laird**