

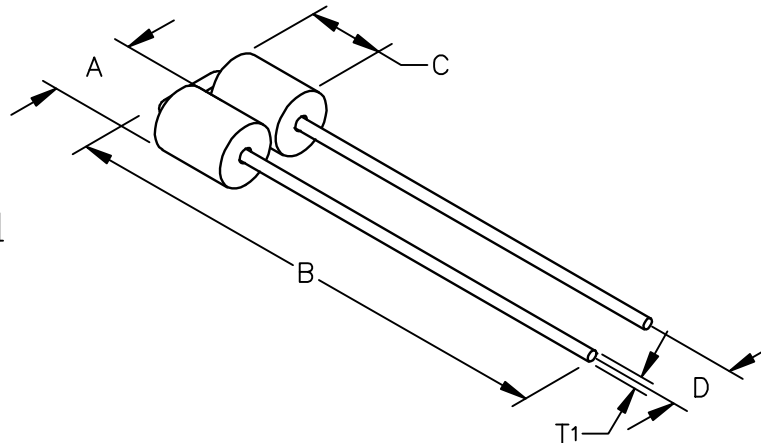
# 28J0138-11R-10

## PHYSICAL DIMENSIONS:

|   |             |   |             |
|---|-------------|---|-------------|
| A | 3.51 [.138] | + | 0.13 [.005] |
| B | 25.4 [1.00] | + | 0.51 [.020] |
| C | 4.45 [.175] | + | 0.20 [.008] |
| D | 3.81 [.150] | + | 0.20 [.008] |

## WIRE DIMENSIONS:

|    |             |   |             |
|----|-------------|---|-------------|
| T1 | 0.64 [.025] | + | 0.05 [.002] |
|----|-------------|---|-------------|

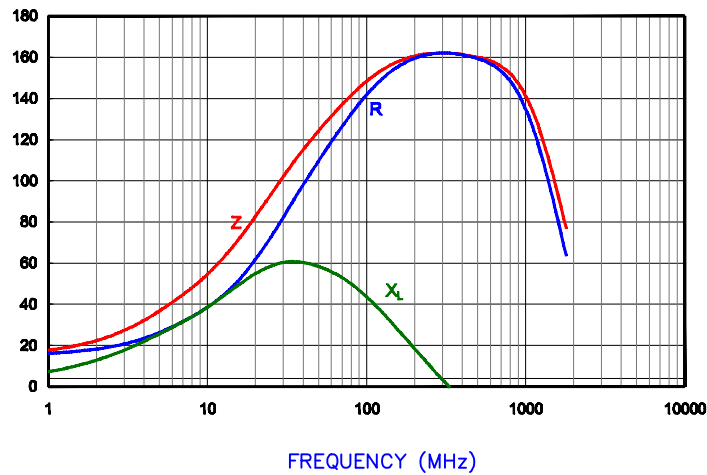


## ELECTRICAL CHARACTERISTICS:

|         | Z @ 100MHz<br>( $\Omega$ ) | DCR<br>( $\Omega$ ) | Rated<br>Current |
|---------|----------------------------|---------------------|------------------|
| Nominal | 143                        | —                   | —                |
| Minimum | 107                        | —                   | —                |
| Maximum | —                          | 0.01                | 5,000 mA         |



## [Z], R AND XL vs FREQUENCY



**Z** **R** **XL**

**UNCONTROLLED  
DOCUMENT**

NOTES: UNLESS OTHERWISE SPECIFIED

- COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- WIRE: C10200 OXYGEN FREE COPPER (99.95 MIN.) 22AWG (.025 DIA.)
- PLATING: 100% TIN  $5\mu \pm 2\mu$  [200  $\mu\text{in} \pm 80\mu\text{in}$ ]
- WEIGHT/K: .46 #

| DIMENSIONS ARE IN mm (INCHES). |                                                                  |          |     | THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY AND CONFIDENTIAL TO STEWARD. NO PRODUCTION OR PUBLICATION OF THIS DOCUMENT IN WHOLE OR IN PART SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM STEWARD. |              |               |           |
|--------------------------------|------------------------------------------------------------------|----------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|-----------|
| H                              | ADD ROHS & PB SYMBOLS CHG LOGO                                   | 04/20/07 | JRK |                                                                                                                             |              |               |           |
| G                              | CHANGE P/N TO -10                                                | 12/09/03 | JRK |                                                                                                                                                                                                                  |              |               |           |
| F                              | CHANGE WIRE NOTE ADD PLATING NOTE                                | 04/07/03 | JRK |                                                                                                                                                                                                                  |              |               |           |
| E                              | REMOVE NOTE # 1                                                  | 03/21/02 | JRK |                                                                                                                                                                                                                  |              |               |           |
| D                              | UPDATE PRINT FORMAT, ADD Z CURVE REMOVE SHEETS 3 & 4 ADDED NOTES | 04/30/99 | IS  |                                                                                                                                                                                                                  |              |               |           |
| C                              | UPDATE PRINT FORMAT CHG P/N FROM 28DR138-11R, ADD SHEETS 2&3     | 04/25/95 | JBE | PROJECT/PART NUMBER:                                                                                                                                                                                             | REV          | PART TYPE:    | DRAWN BY: |
| B                              | ADDED IMPEDANCE SPEC                                             | 03/18/94 | JAZ | 28J0138-11R-10                                                                                                                                                                                                   | H            | ASSEMBLY      | JAZ       |
| REV                            | CHANGED LENGTH                                                   | DATE     | INT | DATE: 08/03/92                                                                                                                                                                                                   | SCALE: NTS   | SHEET: 2 OF 3 |           |
|                                | DESCRIPTION                                                      |          |     | CAD # 28J0138-11R-10-H                                                                                                                                                                                           | TOOL # B0138 |               |           |