

Part Number: 2961666681

61 WOUND BEAD

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- Last digit 1 = Bulk Packed 4 = Taped and Reeled

**Six and eleven hole beads, in two NiZn materials, are available both as beads (product class 26) and wound with tinned copper wire in several winding configurations (product class 29).**

Wire used for winding is oxygen free high conductivity copper with 100% matte tin plating over a nickel undercoating.

Recommended storage temperature and operating temperature is -55 °C to 125 °C

[Recommended Soldering Profile](#)

Packaging Options:

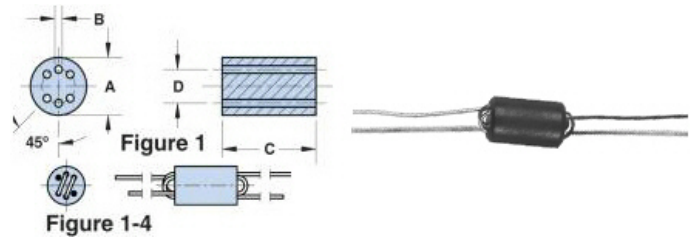
- Parts with a 1 as the last digit of the part number are supplied bulk packed. Wound beads with part numbers 29-666631 and 29-666651 can be supplied radially taped and reeled per IEC 60286-1 and EIA 468-B standards. For these taped and reeled wound beads the last digit of the part number is a 4. Taped and reeled wound beads are supplied 500 pieces on a 13 reel.

**For any wound bead requirement not listed in here, please contact our customer service group for availability and pricing.**

Weight: 1.4 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 6    | ±0.25  | 0.236        | —          |
| B   | 0.75 | +0.15  | 0.032        | —          |
| C   | 10   | ±0.25  | 0.394        | —          |
| D   | 3.5  | Ref    | 0.138        | Ref        |

| Winding Information |                |                       |                       |
|---------------------|----------------|-----------------------|-----------------------|
| Turns               | Wire           | 1st Wire              | 2nd Wire              |
| Tests               | Size           | Length                | Length                |
| 2 x 1½              | 0.53<br>24 AWG | 38.0 ±3.0<br>(1.500") | 28.0 ±3.0<br>(1.102") |



### Chart Legend

+ Test frequency

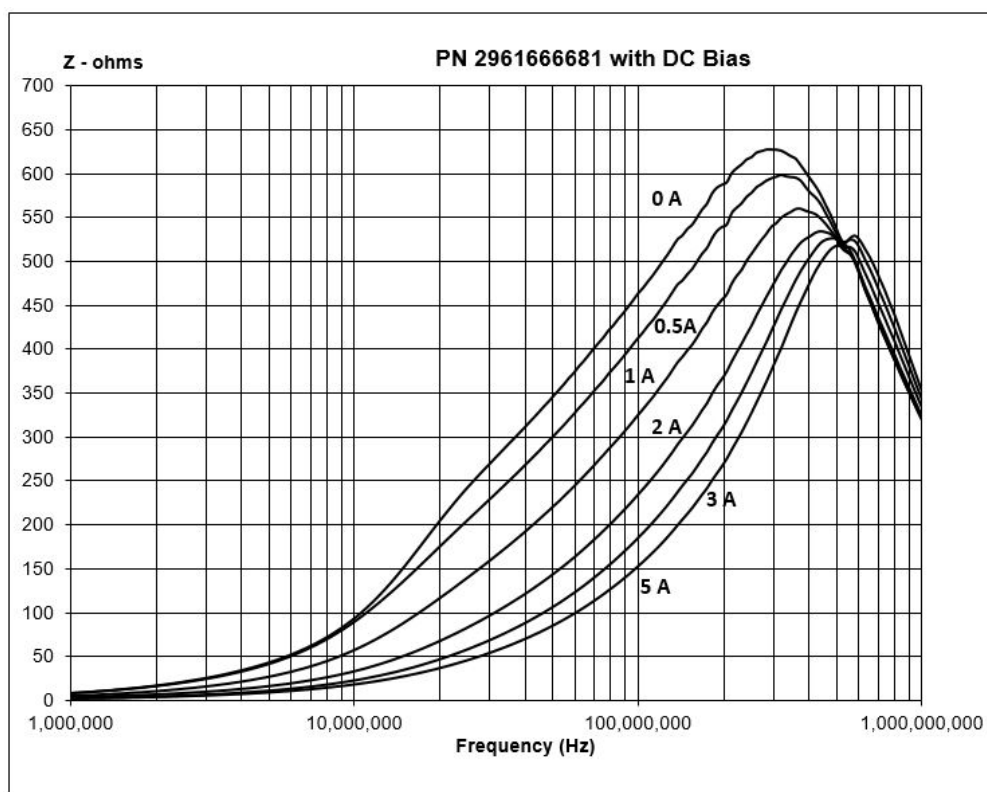
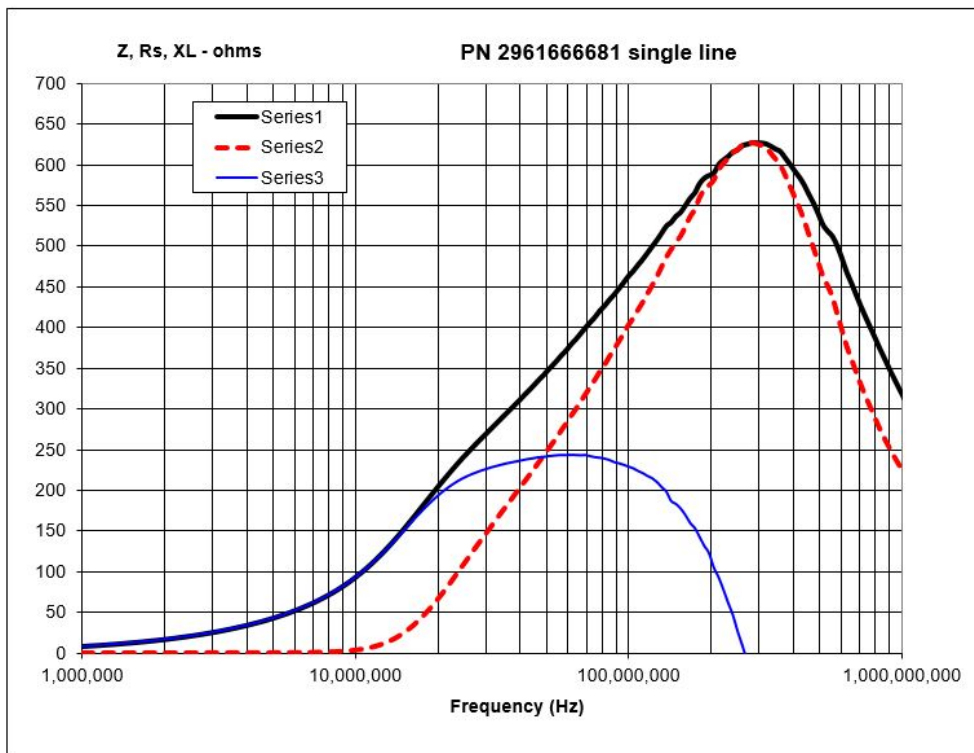
• A ½ turn is defined as a single pass through a hole.

| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 10 MHz                         | 94  |
| 50 MHz <sup>+</sup>            | 346 |
| 100 MHz <sup>+</sup>           | 465 |
| 200 MHz <sup>+</sup>           | 588 |
| 400 MHz                        | 595 |

Beads are controlled for impedance limits only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

The 44 material beads and wound beads are tested on the E4990A Impedance Meter. The 61 material parts on the E4991A / HP4291B Impedance Analyzer.

| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 10 MHz                         | 75  |
| 50 MHz <sup>+</sup>            | 280 |
| 100 MHz <sup>+</sup>           | 380 |
| 200 MHz <sup>+</sup>           | 510 |
| 400 MHz                        | 600 |



[CSV Download](#)

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