Fair-Rite Products Corp.
Your Signal Solution®

Wound Beads (2944666671)

Part Number: 2944666671

44 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.

Catalog Drawing
3D Model

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	3.51	Ref	0.138	Ref

Winding Information			
Turns Tests	Wire Size	1st Wire Length	2nd Wire Length
2½	0.53 24 AWG	38.0 ±3.0 (1.496”)	–

Chart Legend
+ Test frequency
•A ½ turn is defined as a single pass through a hole.

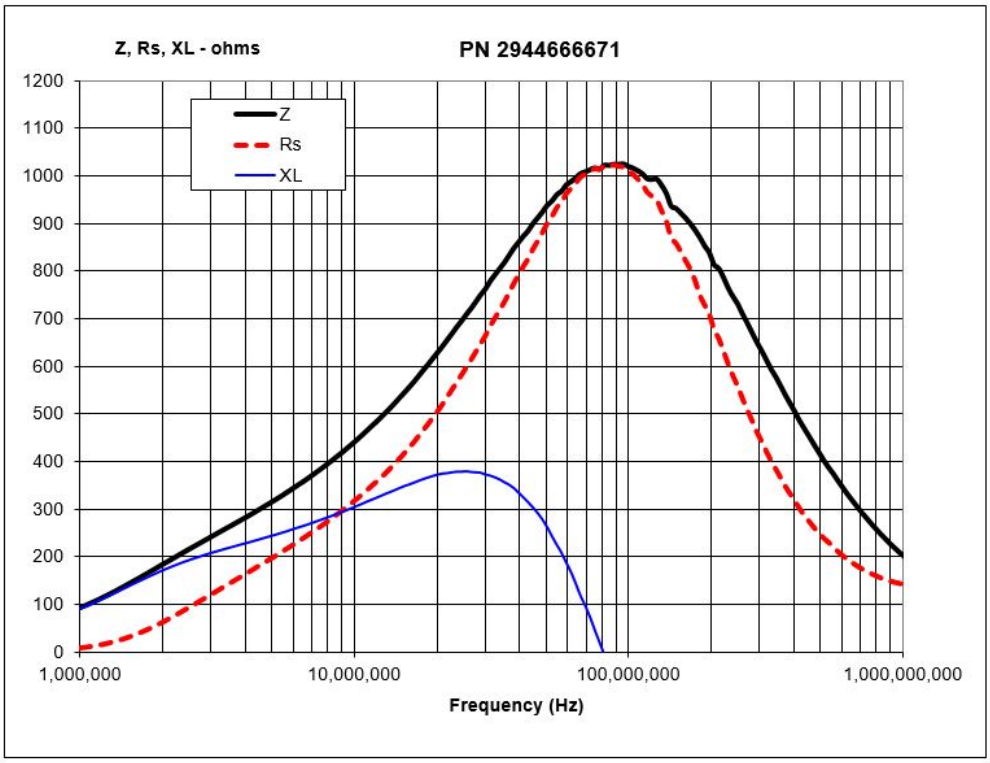
Typical Impedance (Ω)	
1 MHz	92
10 MHz+	440
50 MHz+	930
100 MHz+	1020
200 MHz	825

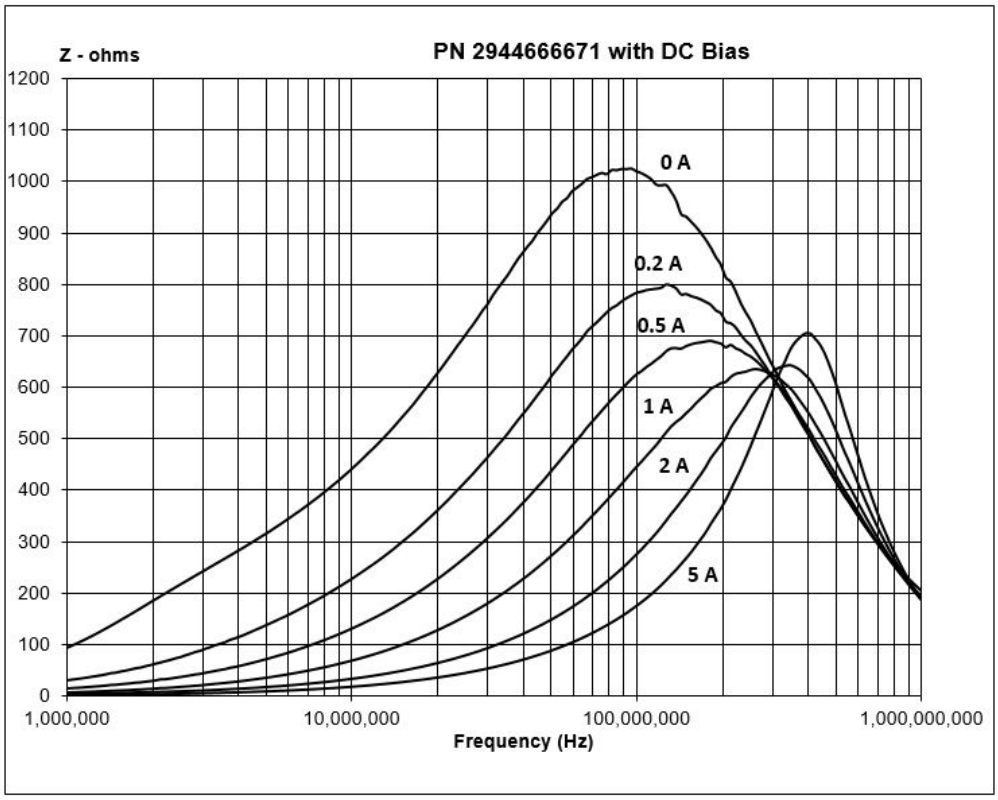
Beads are controlled for impedance limits only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

Catalog Drawing

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 Impendance (Ω)	
1 MHz	87
10 MHz+	400
50 MHz+	850
100 MHz+	725
200 MHz	410





CSV Download

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com