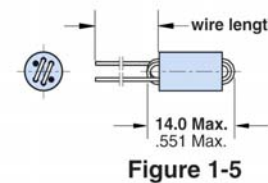
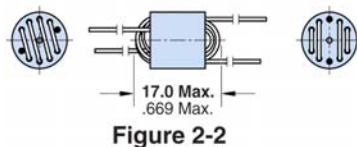
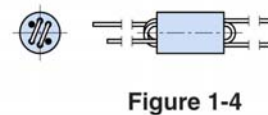
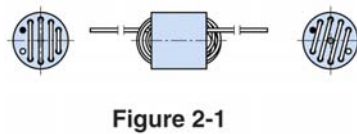
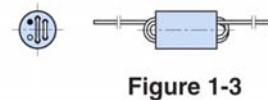
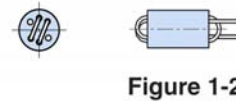
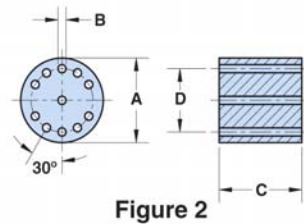
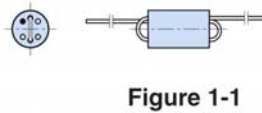
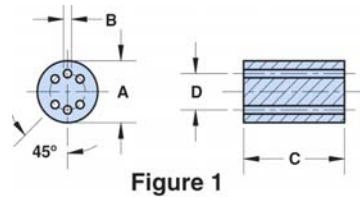


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Six and eleven hole beads, in two NiZn materials, are available both as beads (product class 26) and wound with tinned copper wire in several winding configurations (product class 29).

- 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.
- Wire used for winding is oxygen free high conductivity copper with 100% matte tin plating over a nickel undercoating.
- 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 4193A Vector Impedance Meter. The 61 material parts on the 4291A RF Impedance Analyzer.
- Recommended storage temperature and operating temperature is -55 °C to 125 °C
- Performance curves for these suppression components are on our web site.
- For any wound bead requirement not listed in here, please contact our customer service group for availability and pricing.
- Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade and last digit 1 = bulk packed, 4 = taped and reeled.



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**Legend**

Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.)

\* Test frequency

A1/2 turn is defined as a single pass through a hole.

## Beads

Part Number	Fig.	Turns Tested	A	B	C	D	Wt. (g)	Impedance (Ω)			
								10 MHz <sup>+</sup>	50 MHz <sup>+</sup>	100 MHz <sup>+</sup>	200 MHz <sup>+</sup>
2644666611	1	1½	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.20	213	400	470	-
2661666611	1	1½	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.20	-	280	380	510
2644777711	2	2½	10.00 ±0.25 0.394	0.90 +0.15 0.038	10.00 ±0.25 0.394	7.50 Ref 0.295 Ref	3.30	375	905	500	-

## Broadband Frequencies 1-200 MHz (44 material)

Row #	Part Number	Fig.	A	B	C	D	Wt. (g)	Reel Information	
								Pitch mm	Parts 13" Reel
(1)	2944666661	1-1	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.30	-	-
(2)	2944666651	1-2	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.30	-	-
(3)	2944666654	1-2	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.30	12.7	500
(4)	2944666671	1-3	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.40	-	-
(5)	2944666681	1-4	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.40	-	-
(6)	2944666631	1-5	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.40	-	-
(7)	2944666634	1-5	6.00 ±0.25 0.236	0.75 +0.15 0.032	10.00 ±0.25 0.394	3.50 Ref 0.138 Ref	1.40	12.7	500
(8)	2944777741	2-1	10.00 ±0.25 0.394	0.90 +0.15 0.038	10.00 ±0.25 0.394	7.50 Ref 0.295 Ref	3.80	-	-
(9)	2944777721	2-2	10.00 ±0.25 0.394	0.90 +0.15 0.038	10.00 ±0.25 0.394	7.50 Ref 0.295 Ref	3.90	-	-

Table Continued ...

Row #	Part Number	Turns	Wire Size	1st Wire Length	2nd Wire Length	Impedance (Ω)				
						1 MHz	10 MHz <sup>+</sup>	50 MHz <sup>+</sup>	100 MHz <sup>+</sup>	200 MHz
(1)	2944666661	1½	0.53 24 AWG	38.0 ±3.0 1.500	-	45	213	400	470	380
(2)	2944666651	2	0.53 24 AWG	38.0 ±3.0 1.500	-	58	300	650	600	415
(3)	2944666654	2	0.53 24 AWG	38.0 ±3.0 1.500	-	58	300	650	600	415
(4)	2944666671	2½	0.53 24 AWG	38.0 ±3.0 1.500	-	87	400	850	725	410
(5)	2944666681	2 x 1½	0.53 24 AWG	38.0 ±3.0 1.500	28.0 ±3.0 1.102	45	213	400	470	380
(6)	2944666631	3	0.53 24 AWG	38.0 ±3.0 1.500	-	115	500	1000	690	400

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Table Continued ...

Row #	Part Number	Turns	Wire Size	1st Wire Length	2nd Wire Length	Impedance ( $\Omega$ )				
						1 MHz	10 MHz <sup>+</sup>	50 MHz <sup>+</sup>	100 MHz <sup>+</sup>	200 MHz
(7)	2944666634	3	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	115	500	1000	690	400
(8)	2944777741	4½	0.65 22 AWG	38.0 $\pm$ 3.0 1.500	–	150	815	1250	500	375
(9)	2944777721	2 x 2½	0.65 22 AWG	38.0 $\pm$ 3.0 1.500	28.0 $\pm$ 3.0 1.102	45	375	905	500	400

### Higher Frequencies 50-500 MHz (61 material)

Row #	Part Number	Fig.	A	B	C	D	Wt. (g)	Reel Information	
								Pitch mm	Parts 13" Reel
(10)	2961666661	1-1	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.30	-	-
(11)	2961666651	1-2	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.30	-	-
(12)	2961666654	1-2	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.30	12.7	500
(13)	2961666671	1-3	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.40	-	-
(14)	2961666681	1-4	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.40	-	-
(15)	2961666631	1-5	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.40	-	-
(16)	2961666634	1-5	6.00 $\pm$ 0.25 0.236	0.75 $\pm$ 0.15 0.032	10.00 $\pm$ 0.25 0.394	3.50 Ref 0.138 Ref	1.40	12.7	500

Table Continued ...

Row #	Part Number	Turns	Wire Size	1st Wire Length	2nd Wire Length	Impedance ( $\Omega$ )				
						10 MHz	50 MHz <sup>+</sup>	100 MHz <sup>+</sup>	200 MHz <sup>+</sup>	400 MHz
(10)	2961666661	1½	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	75	280	380	510	600
(11)	2961666651	2	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	100	400	560	760	700
(12)	2961666654	2	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	100	400	560	760	700
(13)	2961666671	2½	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	150	560	780	960	600
(14)	2961666681	2 x 1½	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	28.0 $\pm$ 3.0 1.102	75	280	380	510	600
(15)	2961666631	3	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	175	700	1000	1100	625
(16)	2961666634	3	0.53 24 AWG	38.0 $\pm$ 3.0 1.500	–	175	700	1000	1100	625