

EMI Suppression Beads (2643000501)



Part Number: 2643000501

43 SHIELD BEAD

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- Last digit 1= Not Burnished 2 = Burnished
- The last digit of the Parylene coated part is a “4,” which is available upon request. The minimum coating thickness beads is 0.005 mm (0.0002”).

Fair- Rite offers a broad selection of ferrite EMI suppression beads with guaranteed minimum impedance specifications.

Our “Shield Bead Kit” (part number 0199000019) contains a selection of these beads.

For any EMI suppression bead requirement not listed here, feel free to contact our customer service for availability and pricing.

[Catalog Drawing](#)
[3D Model](#)

The C dimension, the bead length, can be modified to suit specific applications.

Weight: 0.01 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	2	-0.15	0.076	—
B	1.05	+0.10	0.043	—
C	1.65	-0.25	0.06	—



Chart Legend

+ Test frequency

• The column "H (Oe)" gives for each bead the calculated dc bias field in oersted for 1 turn and 1 ampere direct current. The actual dc H field in the application is this value of “H” times the actual NI (ampere- turn) product. For the effect of the dc bias on the impedance of the bead material, see figures 18-23 in the application note □How to choose Ferrite Components for EMI Suppression□.

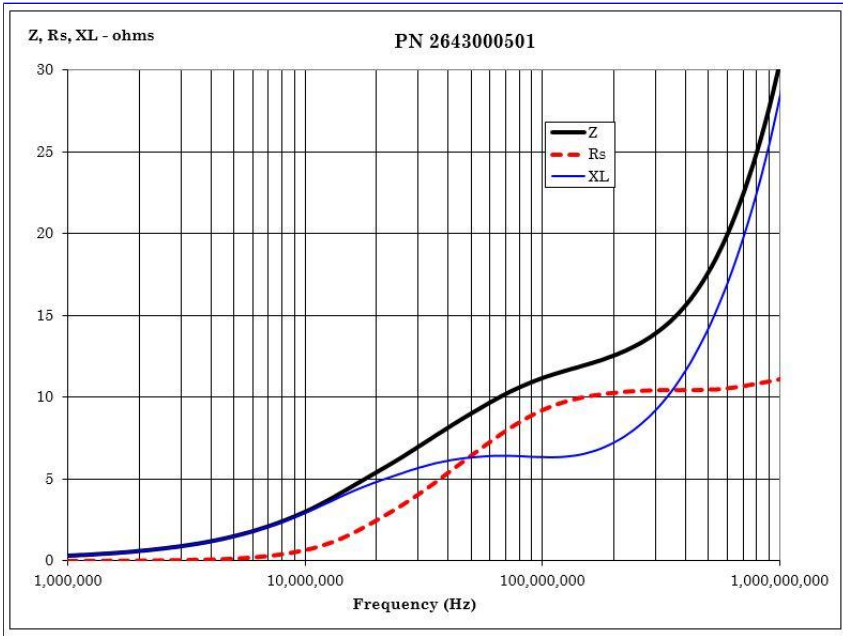
Typical Impedance (Ω)	
10 MHz	5
25 MHz ⁺	8
100 MHz ⁺	16
250 MHz	26

Electrical Properties	
H(Oe)	2.8

Suppression beads are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is listed on our catalog drawing.

[Catalog Drawing](#)

Single turn impedance tests for 73 and 43 material beads are performed on the E4990A Impedance Analyzer. The 61 material beads are tested on the E4991A / HP4291B Impedance Analyzer. Beads are tested with the shortest practical wire length.



[CSV Download](#)

Fair- Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [\[email protected\]](#) • www.fair-rite.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ferrite Cable Cores](#) category:

Click to view products by [Fair-Rite](#) manufacturer:

Other Similar products are found below :

[FB73-422](#) [FX28R0984-0](#) [FX28R0984-2](#) [AB 3X2X3SM](#) [2643164251](#) [2643665709](#) [2661626402](#) [LB 2.8X4.5U](#) [28R1127](#) [28R1260](#) [28R1575](#)
[SM28R0760](#) [2631006302](#) [2643165451](#) [2643178351](#) [28R0760](#) [4327 030 11761](#) [SS7X4X3W](#) [4327 030 16141](#) [2643103102](#) [2643164151](#)
[2943666671](#) [2643163851](#) [AB4X2X6SM](#) [28B1101](#) [SM28R1575](#) [2643625902](#) [2643626102](#) [28B0268-000](#) [28B0375-100](#) [28B0375-300](#)
[28B0500-100](#) [28B0562-000](#) [28B0562-200](#) [28B0625-100](#) [28B1020-100](#) [28B1417-200](#) [28R1101-000](#) [28R1102-100](#) [28R1127-500](#) [28R0453-](#)
[200](#) [28R0669-000](#) [28R0898-200](#) [28R0756-200](#) [28R0480-000](#) [28R1127-000](#) [28R0984-200](#) [28R2170-100](#) [28R0592-010](#) [28R0756-000](#)