

EMI Suppression Beads (2643020501)



Part Number: 2643020501

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.

<u>Weight:</u> 0.02 (g)

Dim	mm	mm tol	nominal inch	inch misc.	E.			
А	1.65	±0.025	0.065	_		_ 72		0
В	0.85	+0.10	0.035	_	U B			
С	3.68	-0.25	0.14	_				
					- A -	-	- C	

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[].

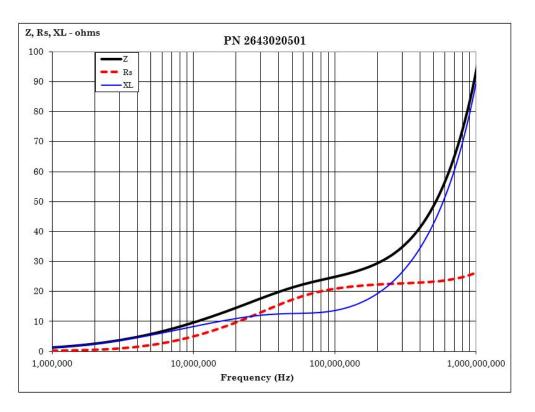
Typical Impedance (Ω)					
10 MHz		9.8			
25 MHz^+	16.5				
100 MHz^+	26.5				
250 MHz	37				
Electrical Properties					
H(Oe)	3.4	4			

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

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.

Typical Impendance (Ω)				
10 MHz	12			
25 MHz+	17			
100 MHz+	31			
250 MHz	47			



CSV Download

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