

# Miscellaneous Suppression Cores (2677006302)



Part Number: 2677006302

77 SHIELD BEAD

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

Fair- Rite has tooled several special core geometries in the 43 & 77 material for suppression of conducted EMI.

**For any non- catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.**

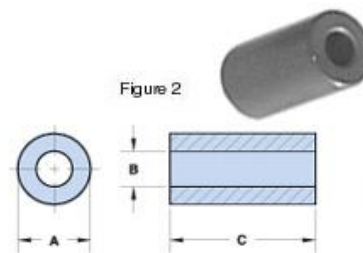
[Catalog Drawing](#)

[3D Model](#)

The “C” dimension, the core length, can be modified to suit specific applications.

Weight: 2.2 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	9.5	±0.25	0.375	—
B	4.75	+0.30	0.193	—
C	10.4	±0.25	0.41	—



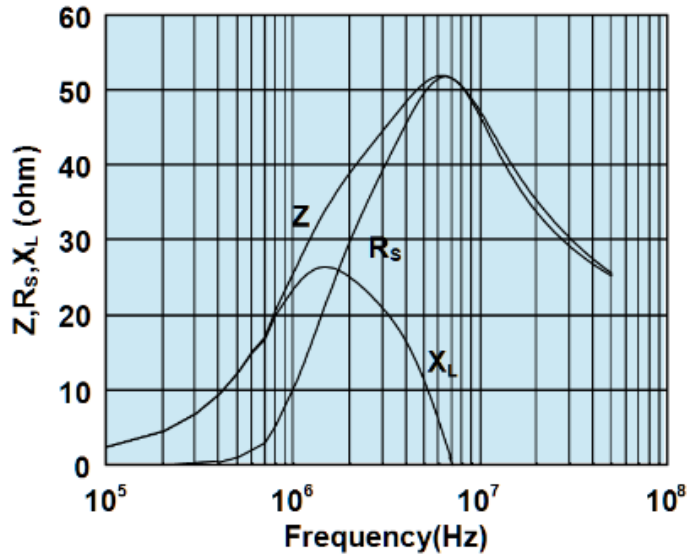
**Chart Legend**

- + Test frequency
- Figures 3 & 4 tested in pairs

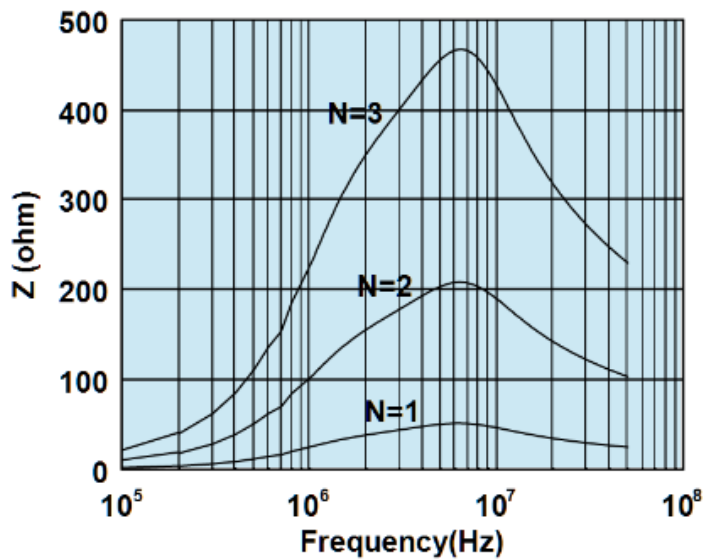
Typical Impedance (Ω)	
1 MHz <sup>+</sup>	25
10 MHz <sup>+</sup>	40
25 MHz <sup>+</sup>	33

These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%. Single turns tests are performed on the 4193A Vector Impedance Analyzer with the shortest practical wire length.

### 2677006302



Impedance, reactance, and resistance vs. frequency.



Impedance vs. frequency with one, two, and three turns.