

# 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.

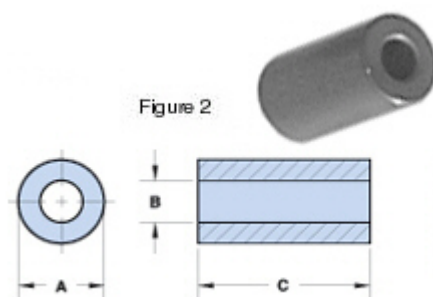
**For any non-catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.**

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

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

Weight: (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 9.5  | —      | 0.374        |            |
| B   | 4.75 | —      | 0.193        |            |
| C   | 10.4 | —      | 0.409        |            |



## Chart Legend

+ Test frequency

• Figures 3 & 4 tested in pairs

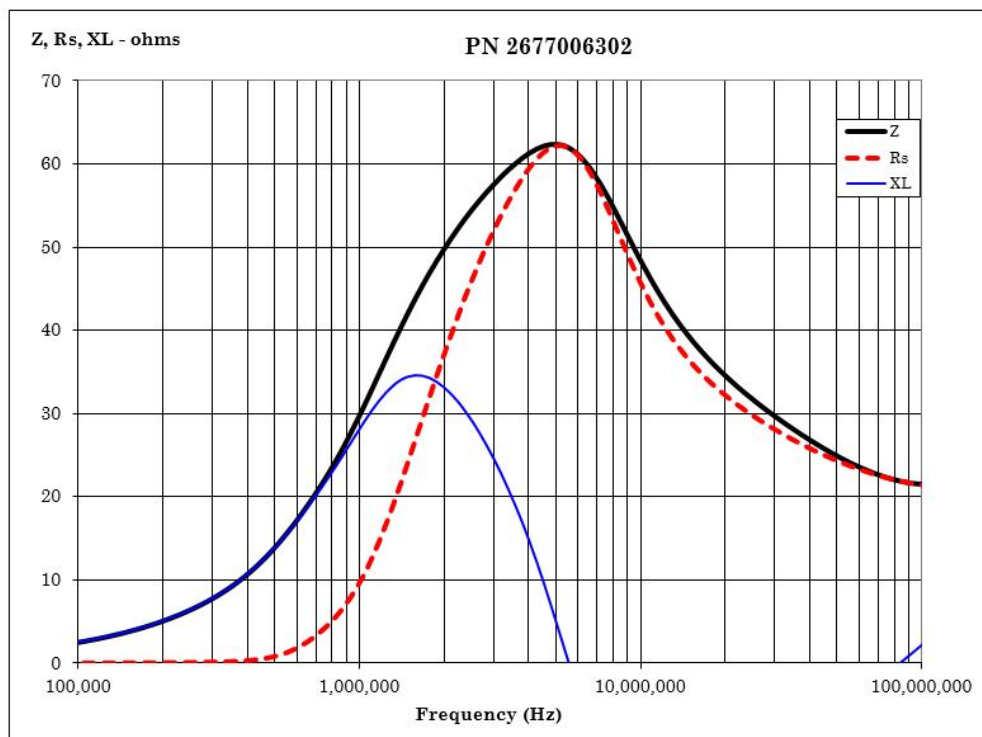
| Typical Impedance ( $\Omega$ ) |    |
|--------------------------------|----|
| 1 MHz                          | 31 |
| 10 MHz <sup>+</sup>            | 48 |
| 25 MHz <sup>+</sup>            | 31 |

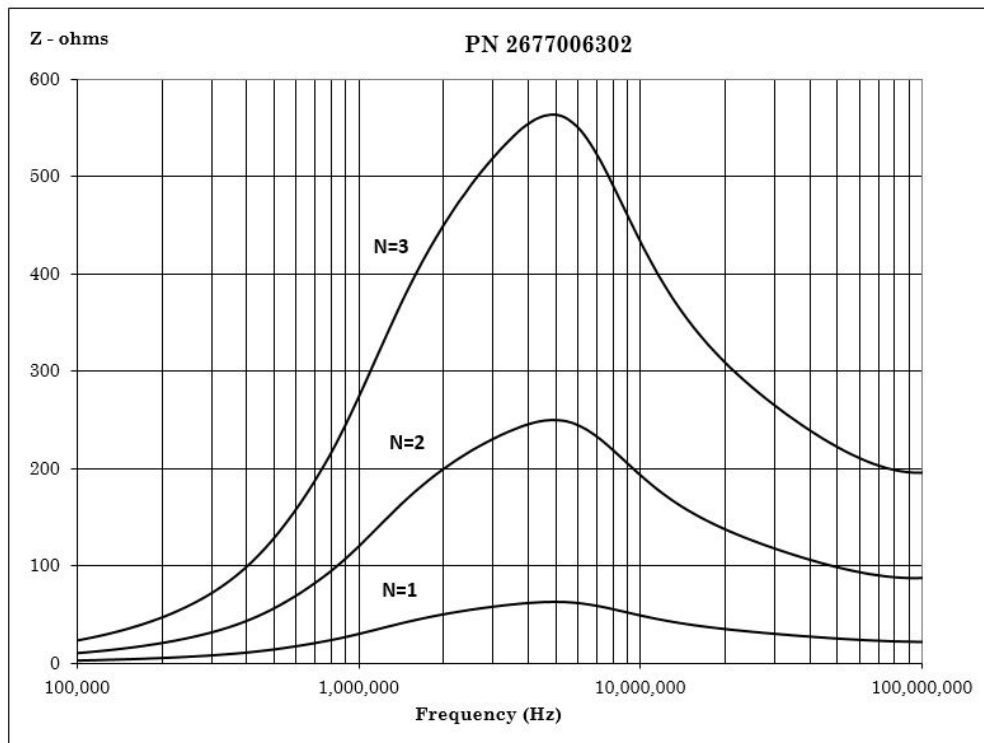
These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%.

#### [Catalog Drawing](#)

Single turns tests are performed on the E4990A Impedance Analyzer with the shortest practical wire length.

| Typical Impedance ( $\Omega$ ) |    |
|--------------------------------|----|
| 1 MHz                          | 25 |
| 10 MHz <sup>+</sup>            | 40 |
| 25 MHz <sup>+</sup>            | 33 |





[CSV Download](#)

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