

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 (Ω) | |
|-----------------------|----|
| 1 MHz | 31 |
| 10 MHz ⁺ | 48 |
| 25 MHz ⁺ | 31 |

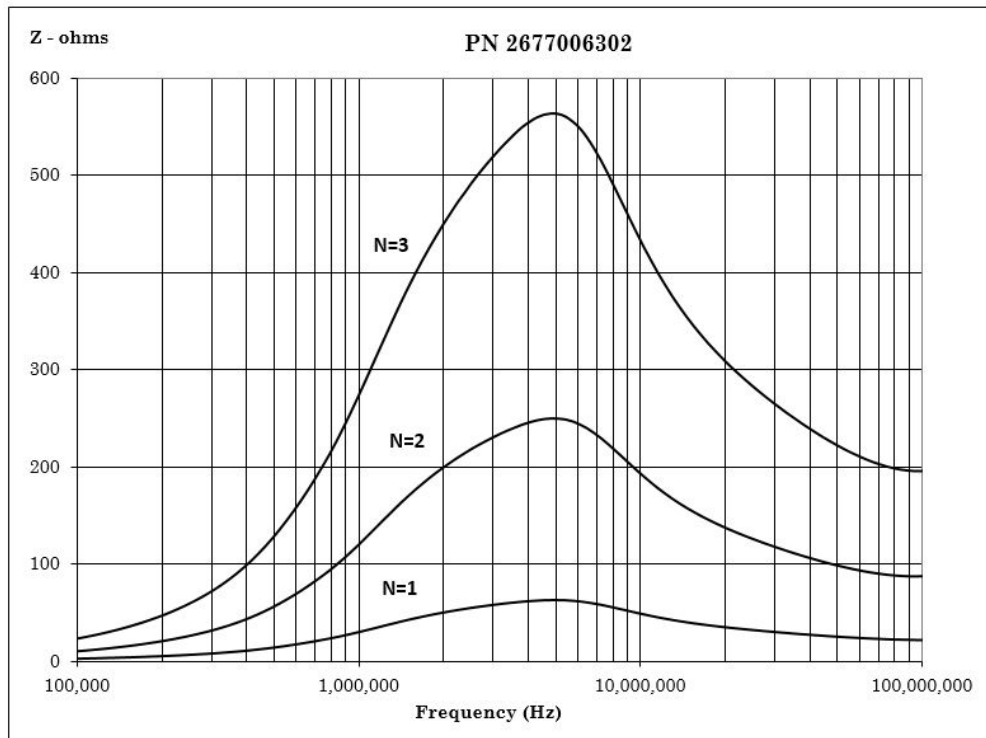
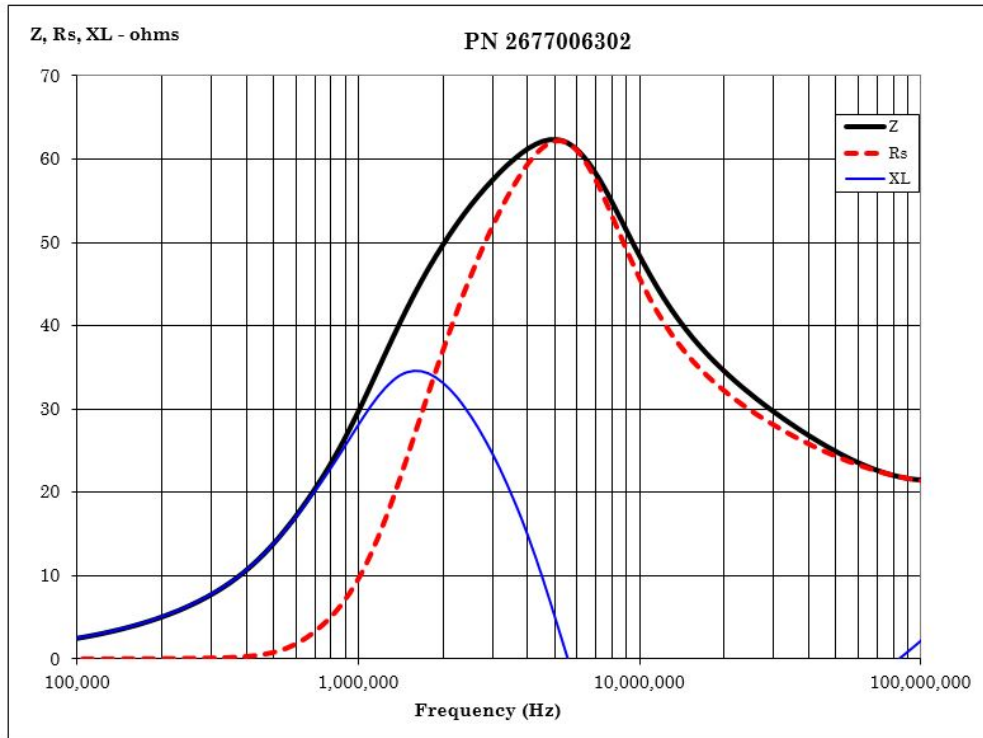
These suppression cores are controlled for impedance only. The minimum impedance is typically the

listed impedance less 20%.

[Catalog Drawing](#)

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

| Typical Impedance (Ω) | |
|--------------------------------|----|
| 1 MHz | 25 |
| 10 MHz ⁺ | 40 |
| 25 MHz ⁺ | 33 |



[CSV Download](#)

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