

Part Number: 2843002702

43 MULTI-APERTURE CORE

Explanation of Part Numbers:

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

Multi-aperture cores are used in suppression applications and in balun (balance-unbalance) and other broadband transformers. They are also employed in airbag designs to prevent accidental activation.

All multi-aperture cores are supplied burnished.

Our “Multi-Aperture Core Kit” (part number 0199000036) is available for prototype evaluation.

For any multi-aperture requirement not listed here, feel free to contact our customer service group for availability and pricing.

[Catalog Drawing](#)

[3D Model](#)

Weight: 0.3 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-----|--------|--------------|------------|
| A | 7 | ±0.25 | 0.276 | — |
| B | 3.1 | ±0.25 | 0.122 | — |
| C | 4.2 | -0.25 | 0.16 | — |
| E | 2.9 | ±0.10 | 0.114 | — |
| H | 1.7 | +0.20 | 0.071 | — |

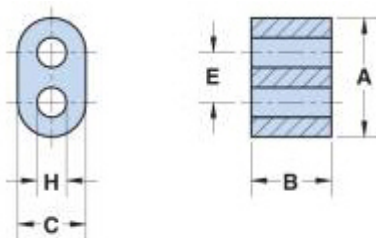


Figure 1

Chart Legend

+ Test frequency

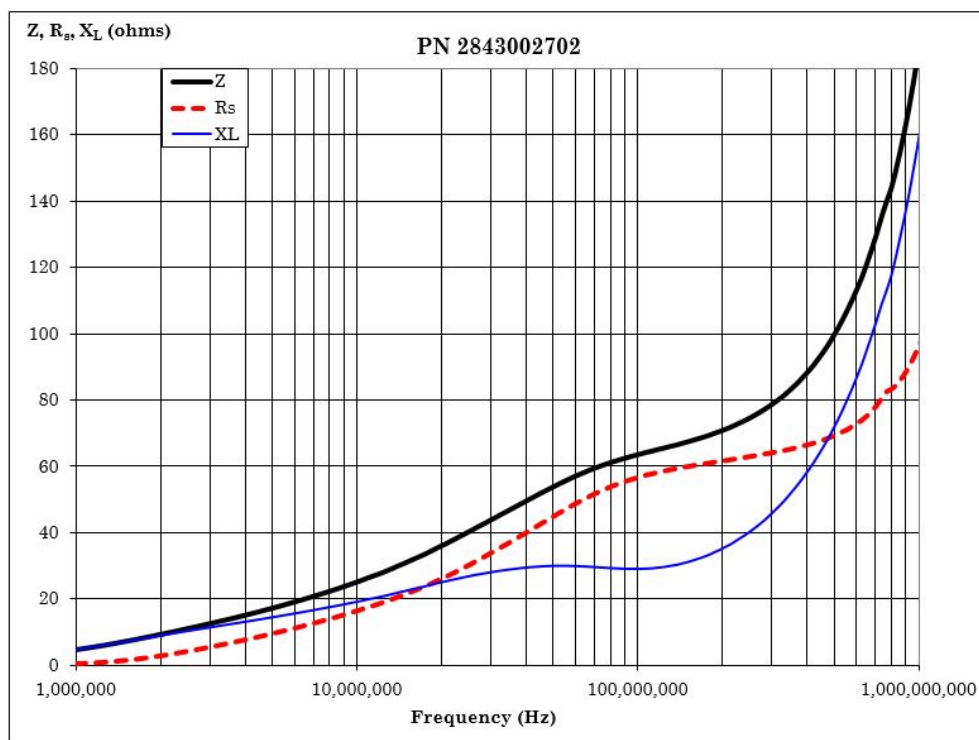
| Typical Impedance (Ω) | |
|--------------------------------|----|
| 25 MHz | 40 |
| 100 MHz ⁺ | 64 |

Multi-aperture cores in 73 and 43 materials are controlled for impedance only. The 61 NiZn material is controlled for both impedance and A_L value. The high frequency 67 material is controlled for A_L value. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

[Catalog Drawing](#)

Multi-aperture cores in 73 and 43 material are measured for impedance on the E4990A Impedance Analyzer. The 61 and 67 multi-aperture cores are tested on the E4991A / HP4291B Impedance Analyzer. All impedance measurements are performed with a single turn to both holes, using the shortest practical wire length.

The 61 and 67 material multi-hole beads are tested for A_L value. The test frequency is 10 kHz at < 10 gauss. The test winding is five turns wound through both holes.



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