

Part Number: 2843000102

## 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: 3.5 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 13.3 | ±0.60  | 0.525        | —          |
| B   | 13.4 | ±0.30  | 0.528        | —          |
| C   | 7.5  | ±0.35  | 0.295        | —          |
| E   | 5.7  | ±0.25  | 0.224        | —          |
| H   | 3.8  | ±0.25  | 0.15         | —          |

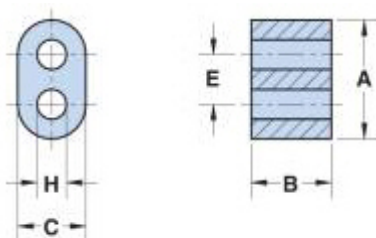


Figure 1

### Chart Legend

+ Test frequency

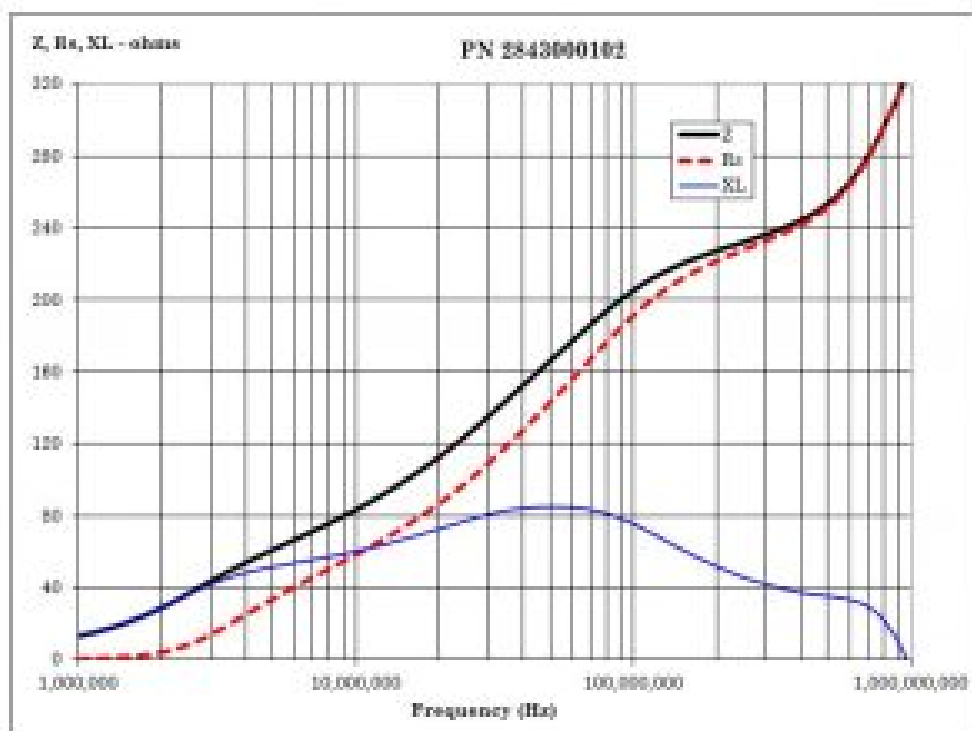
| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 25 MHz                         | 125 |
| 100 MHz <sup>+</sup>           | 205 |

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.



### [CSV Download](#)

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