

## Multi- Aperture cores (2861002702)

Part Number: 2861002702

67 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        | —          |

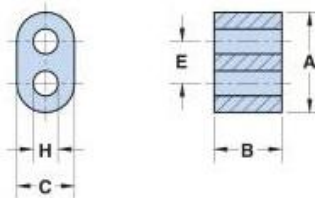


Figure 1

### Chart Legend

+ Test frequency

| Typical Impedance ( $\Omega$ ) |    |
|--------------------------------|----|
| 100 MHz                        | 45 |
| 250 MHz <sup>+</sup>           | 64 |

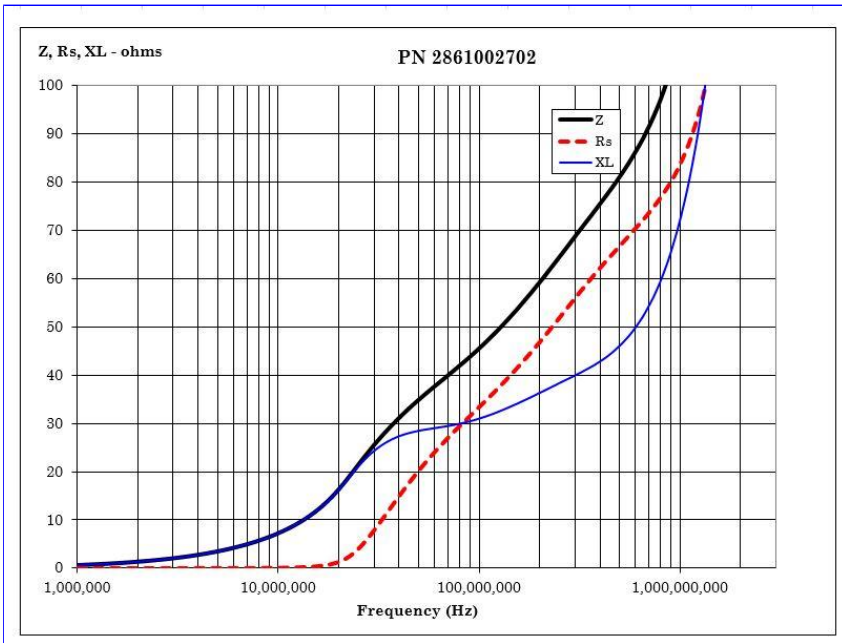
| Electrical Properties |        |
|-----------------------|--------|
| $A_L$ (nH)            | 80 Min |

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 listed on our catalog drawing.

[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](#)

Fair- Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288  
 888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com