

Part Number: 2867002402

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.**

Weight: 0.5 (g)

| Dim | mm  | mm tol | nominal inch | inch misc. |
|-----|-----|--------|--------------|------------|
| A   | 7   | ±0.25  | 0.276        | —          |
| B   | 6.2 | ±0.25  | 0.244        | —          |
| C   | 4.2 | -0.25  | 0.16         | —          |
| E   | 2.9 | ±0.10  | 0.114        | —          |
| H   | 1.7 | +0.20  | 0.071        | —          |

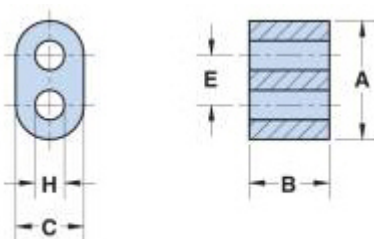


Figure 1

## Chart Legend

+ Test frequency

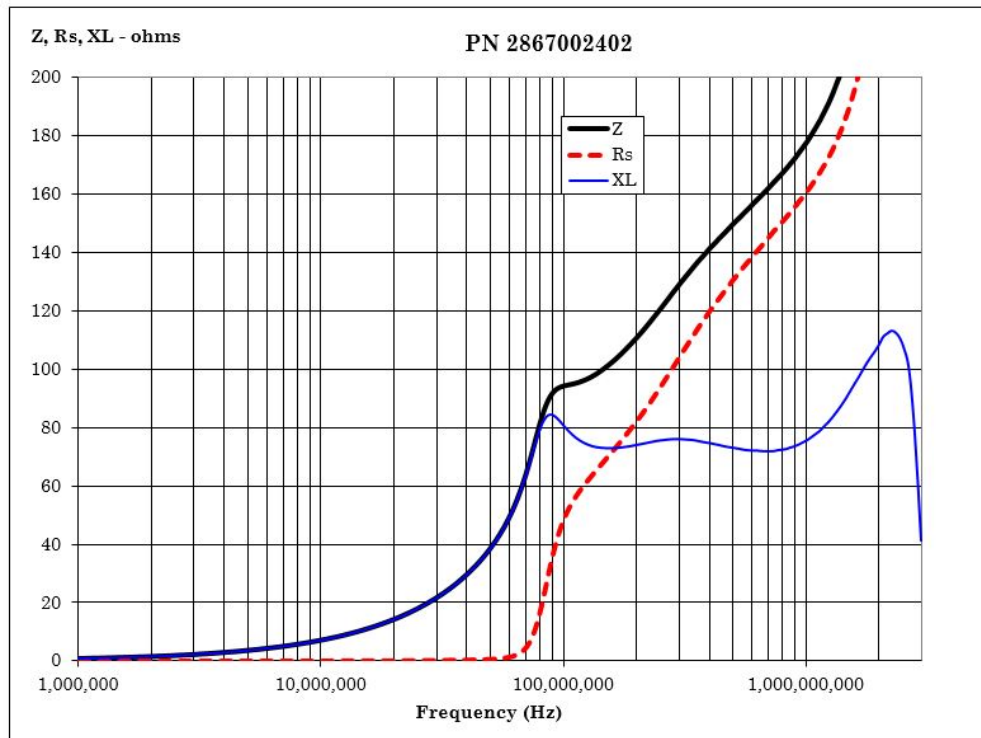
| Electrical Properties |        |
|-----------------------|--------|
| A <sub>L</sub> (nH)   | 48 Min |

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 typically the listed impedance less 20%.

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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