

Multi- Aperture cores (2873002302)

Part Number: 2873002302

73 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: 0.1 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 3.45 | ±0.25 | 0.136 | — |
| B | 2.35 | ±0.25 | 0.093 | — |
| C | 2 | ±0.15 | 0.079 | — |
| E | 1.45 | ±0.10 | 0.057 | — |
| H | 0.75 | +0.25 | 0.034 | — |

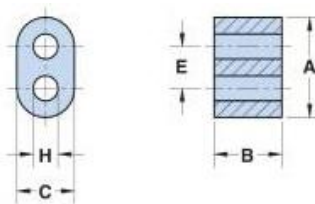


Figure 1

Chart Legend

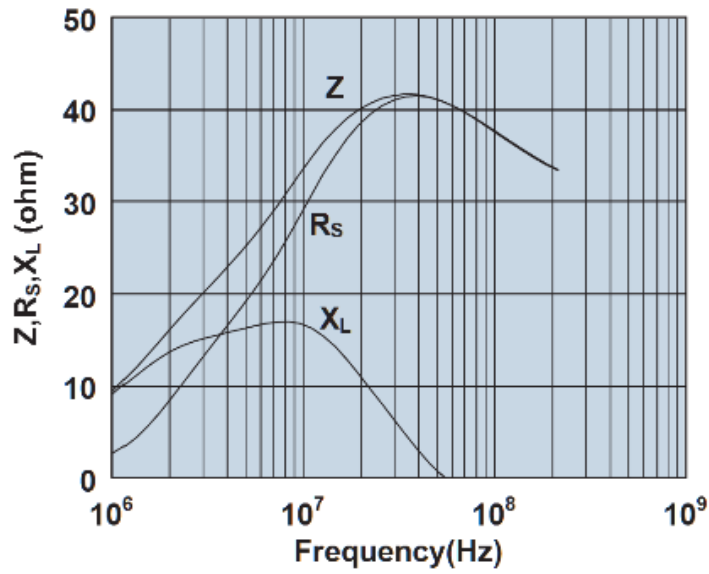
+ Test frequency

| Typical Impedance (Ω) | |
|--------------------------------|----|
| 10 MHz | 35 |
| 25 MHz ⁺ | 44 |

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 4193A Vector Impedance Analyzer. The 61 and 67 multi- aperture cores are tested on the 4291A 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.

2873002302



Impedance, reactance, and resistance vs. frequency.