

# Multi- Aperture cores (2861001502)



Part Number: 2861001502

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: 1.7 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 13.3 | ±0.60  | 0.524        | _          |
| В   | 6.6  | ±0.25  | 0.26         | _          |
| C   | 7.5  | ±0.35  | 0.295        | _          |
| Е   | 5.7  | ±0.25  | 0.224        | _          |
| Н   | 3.8  | ±0.25  | 0.15         | _          |





Figure 1

### Chart Legend

+ Test frequency

| Typical Impedance    | $(\Omega)$ |
|----------------------|------------|
| 100 MHz              | 72         |
| 250 MHz <sup>+</sup> | 103        |

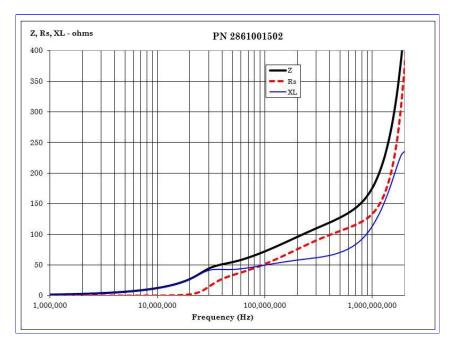
| Electrical Properties |         |  |  |  |
|-----------------------|---------|--|--|--|
| $A_{L}(nH)$           | 145 Min |  |  |  |

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

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