

# Multi-Aperture cores (2861002702)

RoHS Material Declaration

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.

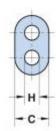
Our "Multi-Aperture Core Kit" (part number 0199000036) is available for prototype evaluation.

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	1
	3.1	±0.25	0.122	_
	4.2	-0.25	0.16	-
Е	2.9	±0.10	0.114	_
Н	1.7	+0.20	0.071	_



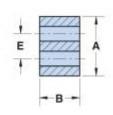


Figure 1

# **Chart Legend**

+ Test frequency

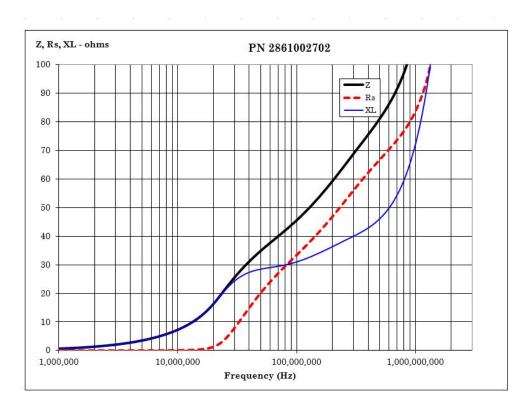
Typical Impedance (Ω					
100 MHz	45				
250 MHz <sup>+</sup>	64				
Electrical Properties					
A <sub>L</sub> (nH) 80 Min					

Multi-aperture cores in 73 and 43 materials are controlled for impedance only. The 61 NiZn material is controlled for both impedance and  $A_{\scriptscriptstyle L}$  value. The high frequency 67 material is controlled for  $A_{\scriptscriptstyle L}$  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.



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