

# Multi- Aperture cores (2843000102)



Part Number: 2843000102

43 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: 3.5 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	13.3	±0.60	0.525	—
B	13.4	±0.30	0.528	—
C	7.5	±0.35	0.295	—
E	5.7	±0.25	0.224	—
H	3.8	±0.25	0.15	—



Figure 1

**Chart Legend**

+ Test frequency

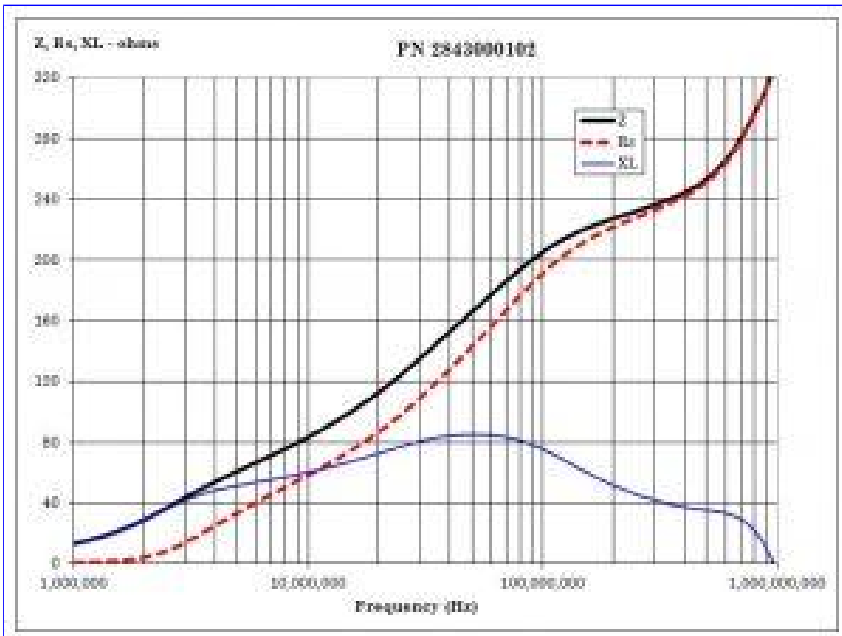
Typical Impedance (Ω)	
25 MHz	125
100 MHz <sup>+</sup>	205

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 • [\[email protected\]](#) • [www.fair-rite.com](http://www.fair-rite.com)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Ferrite Toroids / Ferrite Rings](#) category:*

*Click to view products by [Fair-Rite](#) manufacturer:*

Other Similar products are found below :

[28B0138-7](#) [28B0200-4](#) [28B0250-1](#) [29D3800-000](#) [28B0137-3](#) [432202094771](#) [4327 018 35221](#) [432703033201](#) [4327 030 37511](#) [4327 030 37911](#) [4327 030 57161](#) [432202101631](#) [4327 030 12521](#) [5343232001](#) [5943000901](#) [5961004101](#) [28B1250-2](#) [28B2000-3](#) [28B1387-1](#) [28B2400-0](#) [5961000811](#) [5968003801](#) [5975011101](#) [5977000501](#) [5975001821](#) [28B0355-0](#) [M-060](#) [CST29/19/7.5-4S2](#) [T9X8X5](#) [4077485111](#) [TN10/6/4-3F3](#) [TN14/9/5-3F3](#) [MP-050125-2](#) [TX10/6/4-3E5](#) [MS-050125-2](#) [MS-065075-2](#) [MS-106075-2](#) [MS-130060-2](#) [MS-157060-2](#) [MS-157075-2](#) [MS-157125-2](#) [MS-184026-2](#) [MS-184075-2](#) [MS-184125-2](#) [MS-225014-2](#) [MS-226014-2](#) [MS-226125-2](#) [MS-300014-2](#) [RT-100-60-30](#) [RT-100-60-80](#)