



**Fair-Rite Products Corp.**

Your Signal Solution®

## Multi- Aperture cores (2843000202)



Part Number: 2843000202

### 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.**

Weight: 3.7 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	13.3	$\pm 0.60$	0.525	
B	14.35	$\pm 0.50$	0.565	
C	7.5	$\pm 0.35$	0.295	
E	5.7	$\pm 0.25$	0.225	
H	3.8	$\pm 0.25$	0.15	

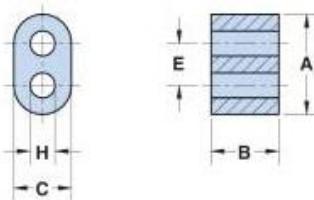


Figure 1

#### Chart Legend

+ Test frequency

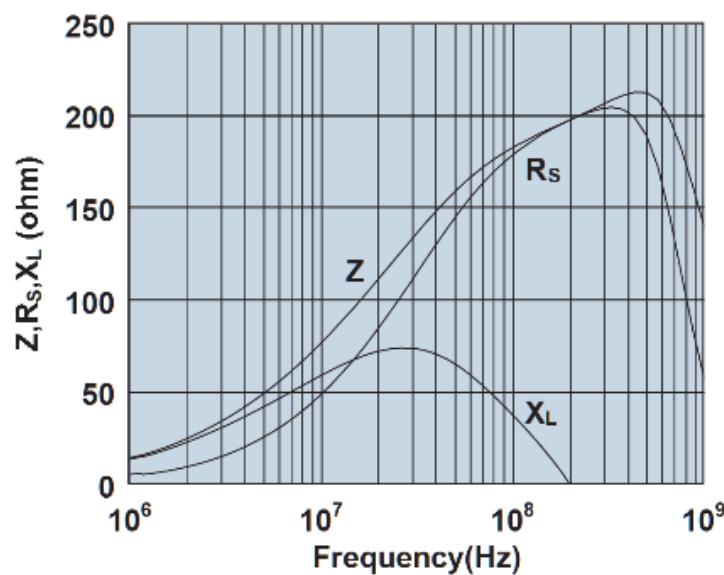
Typical Impedance ( $\Omega$ )	
25 MHz	123
100 MHz <sup>+</sup>	180

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.

**2843000202**



Impedance, reactance, and resistance vs. frequency.

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