Fair-Rite Products Corp.
Your Signal Solution®

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	_

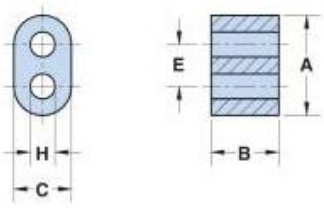


Figure 1

Chart Legend
+ Test frequency

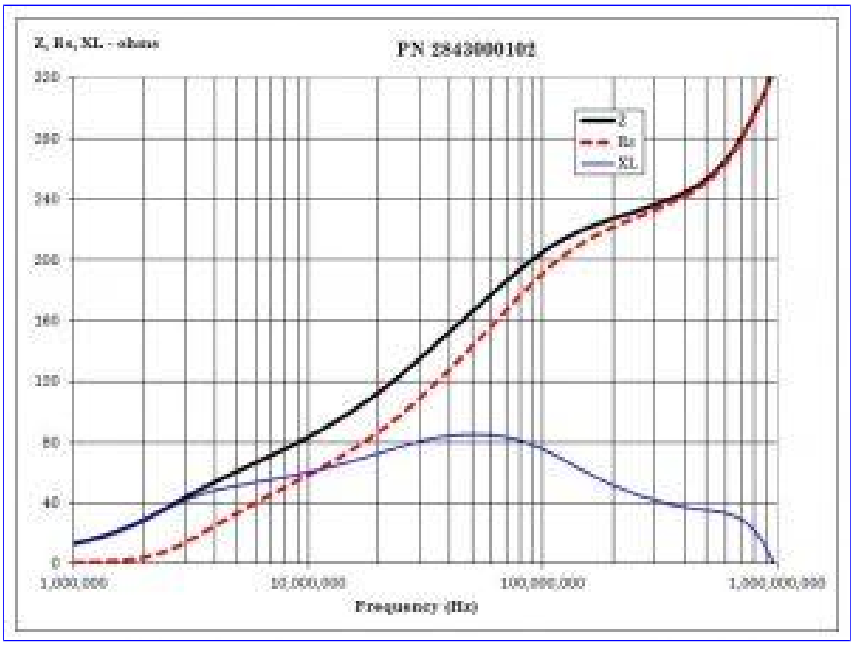
Typical Impedance (Ω)	
25 MHz	125
100 MHz+	205

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

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