

Miscellaneous Suppression Cores

(2643175451)

Part Number: 2643175451

43 SPLIT SUPPRESSOR CORE

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

Fair-Rite has tooled several special core geometries in the 43 & 77 material for suppression of conducted EMI.

For any non-catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.

[Catalog Drawing](#)

[3D Model](#)

The “C” dimension, the core length, can be modified to suit specific applications.

Weight: (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	17.8	—	0.7	
B	12.7	—	0.5	
C	20.32	—	0.8	
D	6.6	±0.25	0.26	—
E	5.08	±0.25	0.2	—

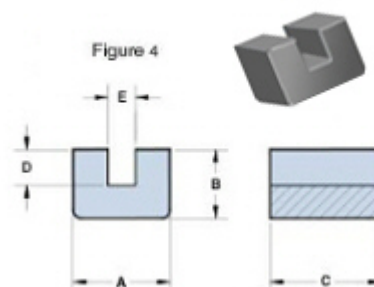


Chart Legend

+ Test frequency

• Figures 3 & 4 tested in pairs

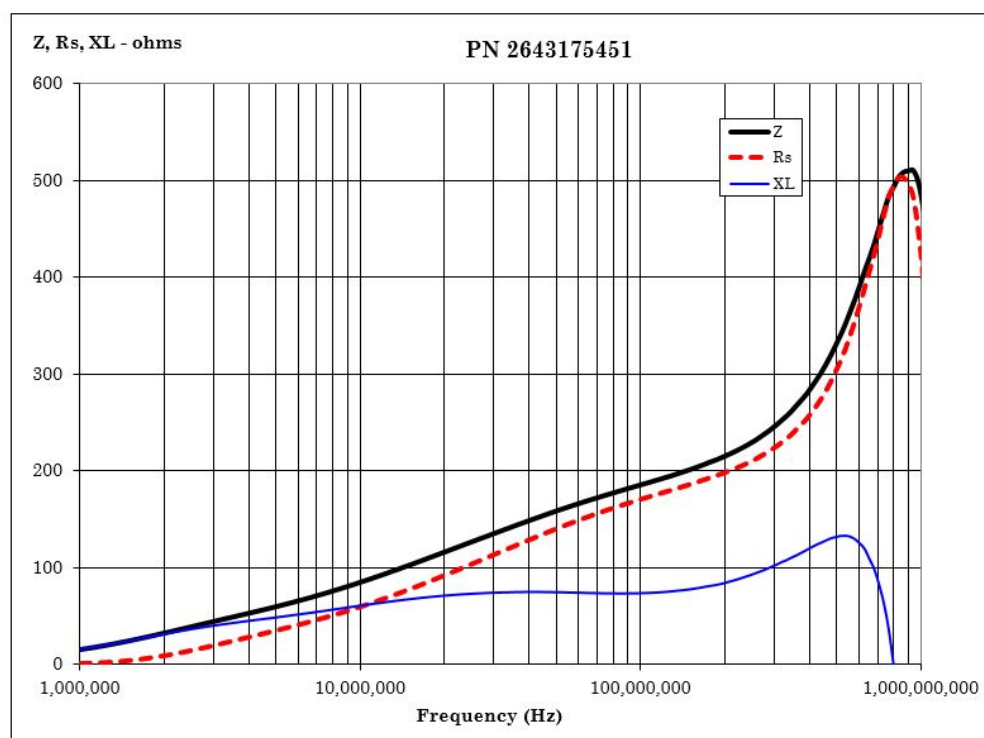
Typical Impedance (Ω)	
10 MHz	85
25 MHz ⁺	127
100 MHz ⁺	186
250 MHz	230

These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%.

[Catalog Drawing](#)

Single turns tests are performed on the E4991A / HP4291B Impedance Analyzer with the shortest practical wire length.

Typical Impedance (Ω)	
10 MHz	75
25 MHz ⁺	119
100 MHz ⁺	180
250 MHz	270



[CSV Download](#)

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
 888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com