

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: 19 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	17.8	±0.40	0.7	—
B	12.7	±0.50	0.5	—
C	20.32	±0.50	0.8	—
D	6.6	±0.25	0.26	—
E	5.08	±0.25	0.2	—

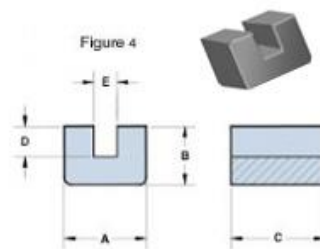


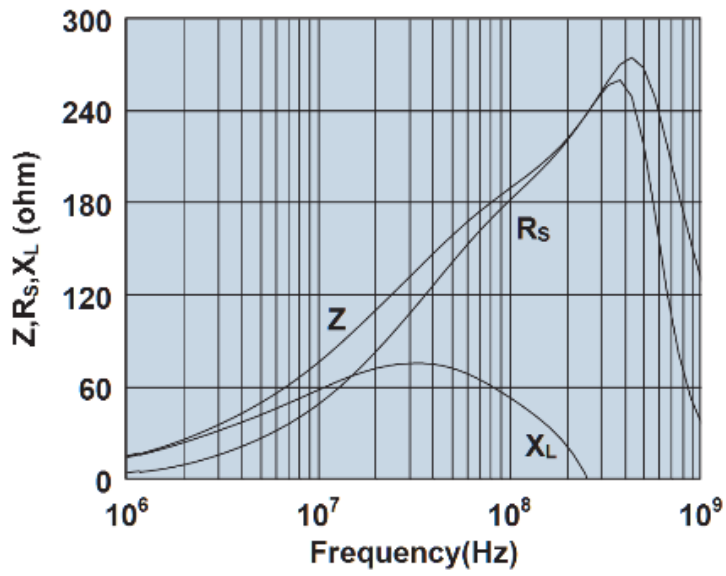
Chart Legend

- + Test frequency
- Figures 3 & 4 tested in pairs

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

These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%. Single turns tests are performed on the 4193A Vector Impedance Analyzer with the shortest practical wire length.

2643175451



Impedance, reactance, and resistance vs. frequency.