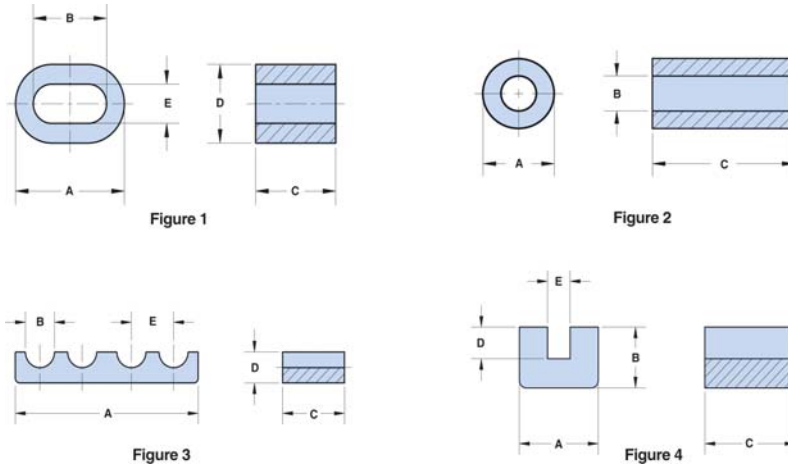


Quick Link: www.fair-rite.com/msc

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



- 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**.
- Performance curves for these suppression components are on our web site.
- For any non-catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.
- The “C” dimension, the core length, can be modified to suit specific applications.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 = the material grade.

Legend

Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.)

* Test frequency

Parts for Fig's 3 & 4 tested in pairs

Broadband Frequencies 25-300 MHz (43 material)

Part Number	Fig.	A	B	C	D	E	Wt. (g)	Impedance (Ω)			
								10 MHz	25 MHz ⁺	100 MHz ⁺	250 MHz
2643167851	1	38.85 ±0.75 1.530	26.15 ±0.75 1.030	28.60 ±0.70 1.125	26.00 ±0.60 1.025	12.95 ±0.25 0.510	85.00	60	94	169	250
2643165151	3	82.60 ±1.60 3.250	13.10 ±0.30 0.516	28.00 ±0.70 1.100	12.95 ±0.25 0.510	19.05 ±0.40 0.750	109.00	100	163	280	340
2643175451	4	17.80 ±0.40 0.700	12.70 ±0.50 0.500	20.32 ±0.50 0.800	6.60 ±0.25 0.260	5.08 ±0.25 0.200	19.00	75	119	180	270

Lower Frequencies < 50 MHz (77 material)

Part Number	Fig.	A	B	C	Wt. (g)	Impedance (Ω)		
						1 MHz	10 MHz ⁺	25 MHz ⁺
2677006302	2	9.50 ±0.25 0.375	4.75 +0.30 0.193	10.40 ±0.25 0.410	2.20	25	40	33
2677102402	2	25.90 ±0.75 1.020	12.80 ±0.25 0.505	21.30 ±0.50 0.840	41.00	52	25	23