

61 MATERIAL SNAP-IT KIT 0199000051

61 Material is Fair-Rite's highest frequency suppression material. It effectively suppresses noise from 100's of MHz into the low GHz. High temperature stability ensures consistent performance over varied environmental conditions. In Snap-it form, these cores can be quickly and easily added to existing conductors without the need for disassembly or removal of terminations. Fair-Rite's precision manufacturing process allows for near-solid core attenuation performance without significant upsizing of the ferrite core.



APPLICATIONS

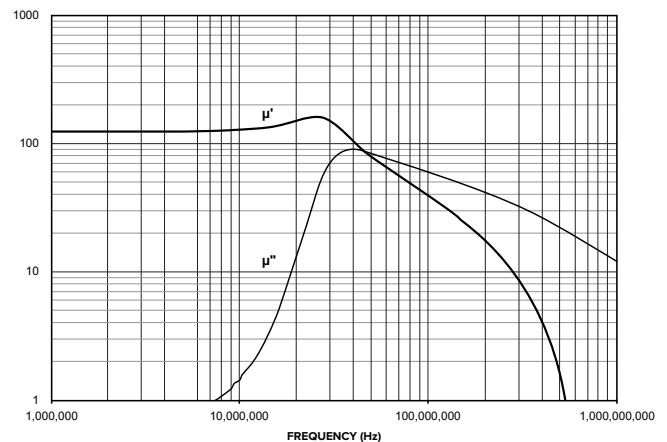
- Automotive/Electric Vehicles
- Industrial Equipment
- Mil/Aero
- Smart Home

KEY BENEFITS

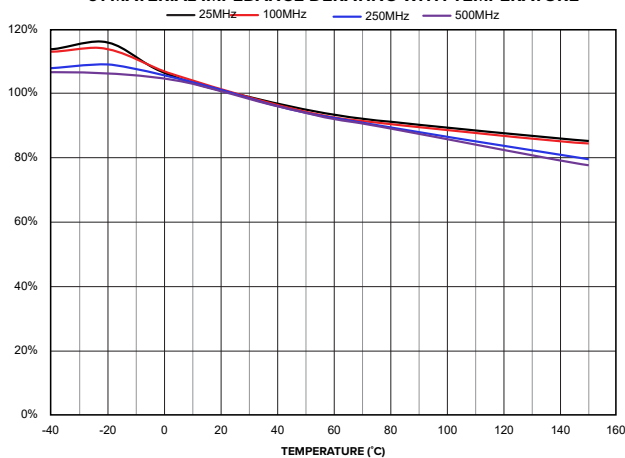
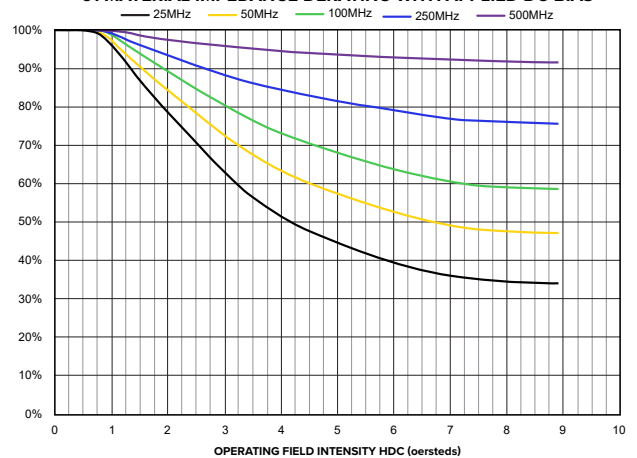
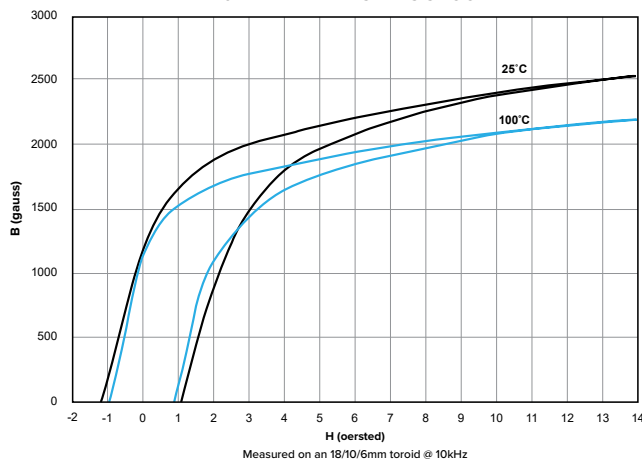
- 61 material suppresses noise from 200MHz to 2GHz
- High stability performance over varying temperatures
- Contains Snap-on ferrite cores in a wide variety of sizes to fit most cables
- Snap-It cores are laser etched with part number identification for trace-ability
- Expert factory based technical assistance is available
- Precision manufacturing ensures near solid core performance without significant increase in size
- Tight quality control guarantees repeatable results



61 MATERIAL PERMABILITY VS FREQUENCY



PART NUMBER	MAX. CABLE DIAMETER	A	B	C	D	WT. (G)	IMPEDANCE (Ω)				SOLID EQUIVALENT
							100 MHz	250 MHz*	500 MHz*	1000 MHz	
0461164951	4.9 (0.193")	16.80 \pm 1.0 (0.661")	4.90 \geq (0.193")	36.2 \pm 1.5 (1.425")	8.5 \pm 0.6 (0.335")	17	203	330	510	800	2661480002
0461164281	6.3 (0.25")	20 \pm 1.5 (0.787")	6 (0.248")	39.5 \pm 2.0 (1.555")	9.8 \pm 0.5 (0.386")	26	233	355	475	435	2661540002
0461178281	8.7 (0.343")	21.0 \pm 1.0 (0.827")	8.70 \geq (0.343")	39.4 \pm 1.5 (1.551")	10.5 \pm 1.0 (0.413")	24	200	350	372	210	2661665702
0461167281	9.85 (0.388")	23.0 \pm 1.5 (0.906")	9.85 (0.383")	39.5 \pm 2.0 (1.555")	11.7 \pm 0.5 (0.461")	33	206	320	450	480	2661626402
0461164181	12.7 (0.5")	30.0 \pm 1.5 (1.181")	12.75 (0.502")	39.5 \pm 2.0 (1.555")	15.50 \pm .75 (0.61")	61	224	360	500	365	2661102002
0461176451	18 (0.709")	38.5 \pm 1.5 (1.516")	18.00 (0.709")	47.5 \pm 2.0 (1.87")	19.15 \pm 1.0 (0.755")	161	341	534	485	235	

61 MATERIAL IMPEDANCE DERATING WITH TEMPERATURE

61 MATERIAL IMPEDANCE DERATING WITH APPLIED DC BIAS

61 MATERIAL HYSTERESIS LOOP


Measured on an 18/10/6mm toroid @ 10kHz

61 MATERIAL PERMEABILITY VS TEMPERATURE
