

Super Flux Core Material

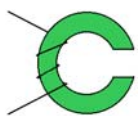
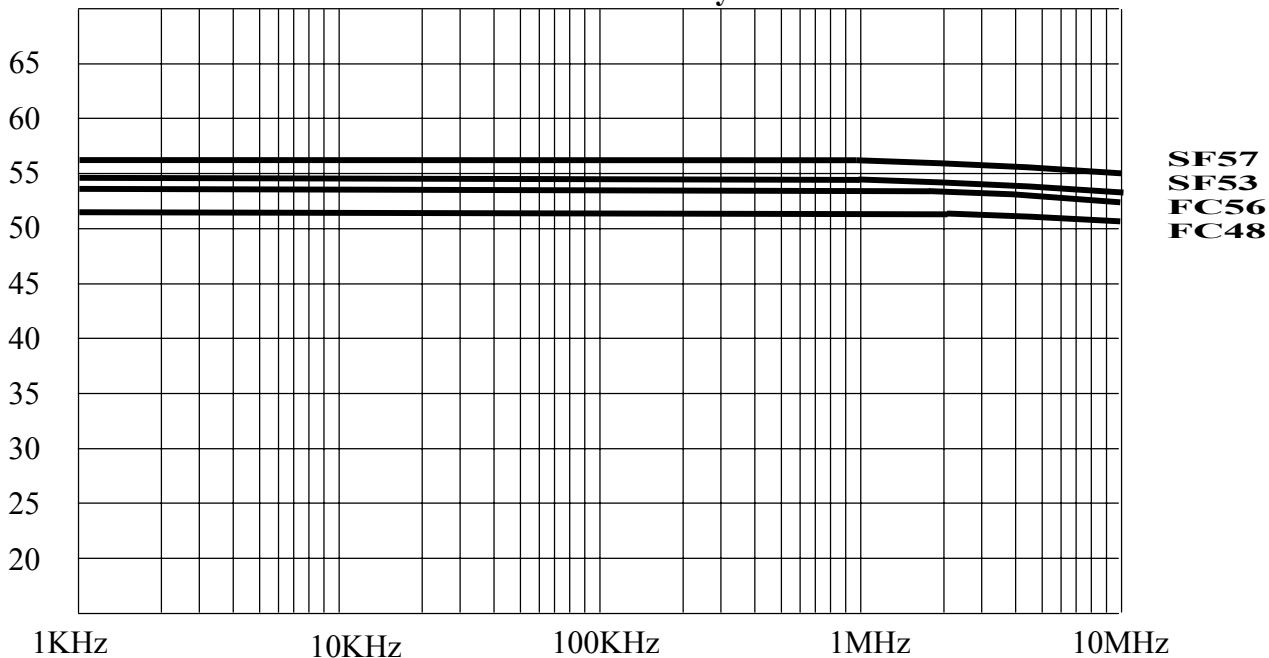
General Material Properties

Curie Materials	Initial Permeability μ_i	Permeability with DC bias Hdc = 50 oersteds @ 10KHz	Operating Temp.
SF53	55	44(76%)	180°C
SF57	57	43(75%)	320°C
FC56	54	44(81%)	320°C
FC48	52	43(82%)	320°C

Super Flux Core Materials are made of special high purity iron-alloyed powders that exhibit much lower core losses than standard iron powder cores and can be operated up to 1Mhz with flux of 13,000 Gauss (Bs). Although the core losses of Super Flux are little higher than sendust cores under 300Khz, it is lower than Sendust between 300Khz to 1Mhz. MPP cores do offer very low core loss under 300Khz; however, MPP's flux of 7800 Gauss (Bs) limit MPP cores for high current applications. The unique characteristics of Super Flux material make it ideally for next generation of DC to DC converter and VRMs' higher current and higher frequency applications.

Most important **Super Flux Cores'** cost is significantly less expensive than Sendust and MPP cores' and **Super Flux Core Series** are available to be formed with custom shape, types and sizes.

Note: FC48 includes PTFE to increase bulk resistivity.



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