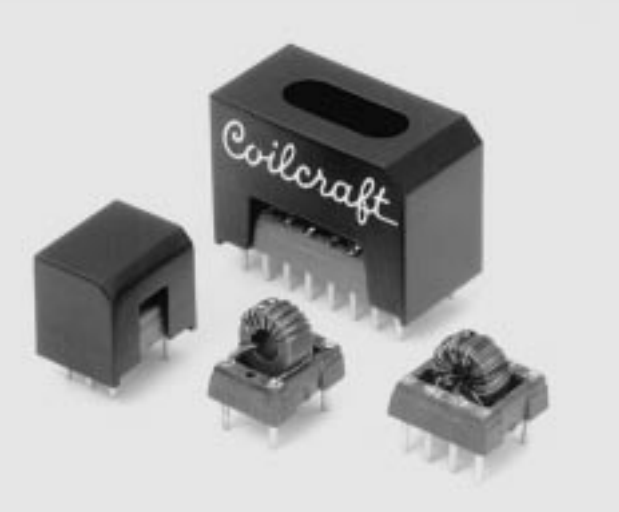
Data Line EMI Filters—Leaded



These filters are designed to virtually eliminate the problem of conducted EMI in data line applications. They provide common mode noise attenuation and can reduce conducted noise by a factor of 32 from nearly 5 MHz to 300 MHz while passing signal line data frequencies below 300 MHz without attenuation.

These low resistance filters have been designed for excellent electrical isolation, environmental stability, and low cost. An optional cover makes them compatible with auto insertion equipment.

Coilcraft data line EMI filters come in 8, 4, 3 and 2-wire versions with DC current capacity of 100 mA (DLF X000 series) or 500 mA (DLF X500 series).

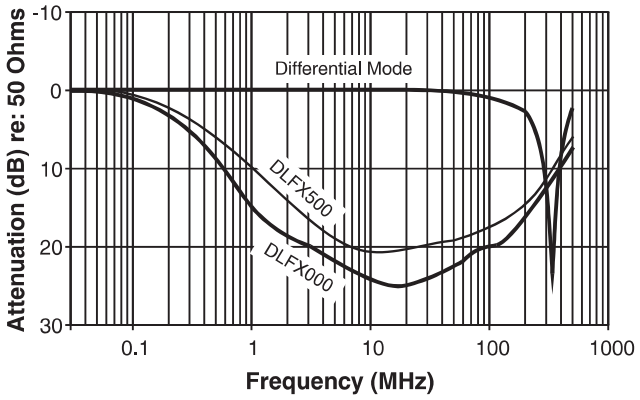
Coilcraft **Designer's Kit D103** contains samples of all 100 mA values shown plus surface mount versions. To order, please contact Coilcraft.

Specifications

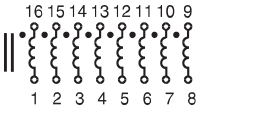
Part Number*	Lines	Max. Current (mA)	L/winding (μH)	DCR Max. (mOhms)	Isolation (Vrms)
DLF 8000	8	100	28	100	300
DLF 8500	8	500	25	45	300
DLF 4000	4	100	28	100	300
DLF 4500	4	500	24	45	300
DLF 3000	3	100	28	100	300
DLF 3500	3	500	24	45	300
DLF 2000	2	100	28	100	300
DLF 2500	2	500	24	45	300

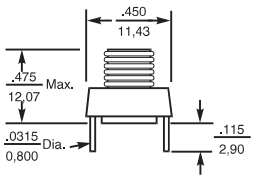
* For optional cover add "C" to part number. Not available on 4 line parts.

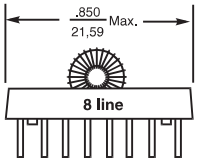
Typical Response*

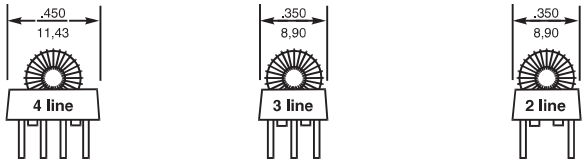


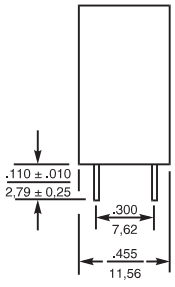
*measured on HP8753D network analyzer.

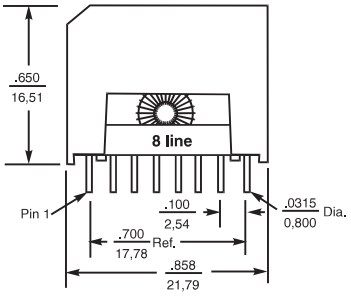


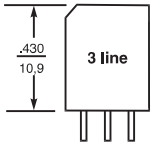


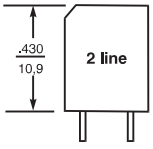












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