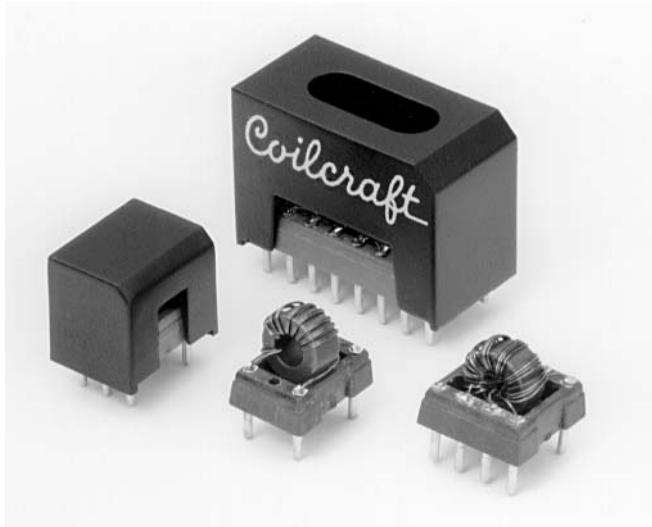


# Data Line EMI Filters – Leaded



These filters are designed to virtually eliminate conducted EMI in data line applications. They provide exceptional common mode noise reduction from 5 MHz to 300 MHz while passing signal line data frequencies below 200 MHz with minimal attenuation.

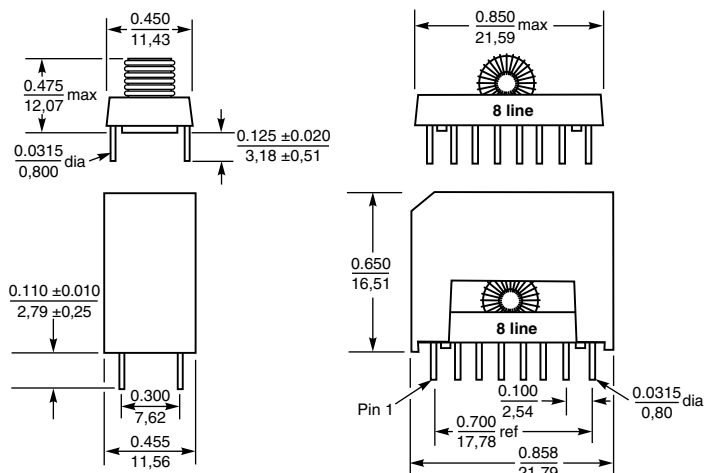
These low resistance filters feature excellent electrical isolation, environmental stability and low cost. Optional covers make them auto insertable. They also meet IEC 695-2-2 needle flame test requirements. There are 8, 4, 3 and 2-line versions with DC current capacity of 100 mA (DLF X000 series) or 500 mA (DLF X500 series).

Coilcraft **Designer's Kit D103** contains four samples of all values shown plus samples of our TTDLF/CCDLF surface mount filters. To order, contact Coilcraft or visit <http://order.coilcraft.com>.

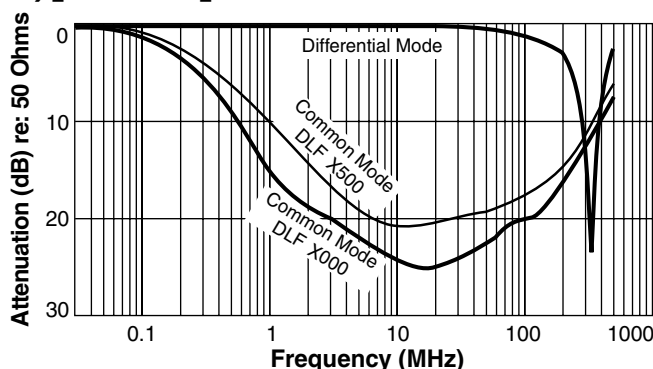
## Specifications

Part number <sup>1</sup>	Lines	Current max (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

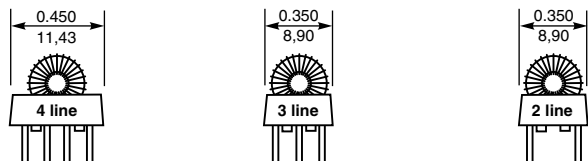
- For optional cover add "C" to part number. Not available on 3500, 4000 and 4500 parts.
- Operating temperature range -40°C to +85°C.
- Electrical specifications at 25°C.



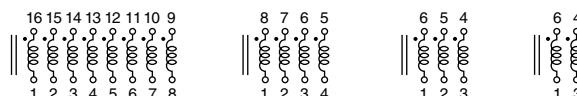
## Typical Response\*



\*measured on HP 8753D network analyzer.



**Weight:**  
 DLF2000: 0.74 g; DLF2500: 0.78 g  
 DLF3000: 0.83 g; DLF3500: 0.91 g  
 DLF4000: 0.95 g; DLF4500: 1.09 g  
 DLF8000: 1.56 g; DLF8000: 2.22 g



Specifications subject to change without notice. Please check our website for latest information.

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