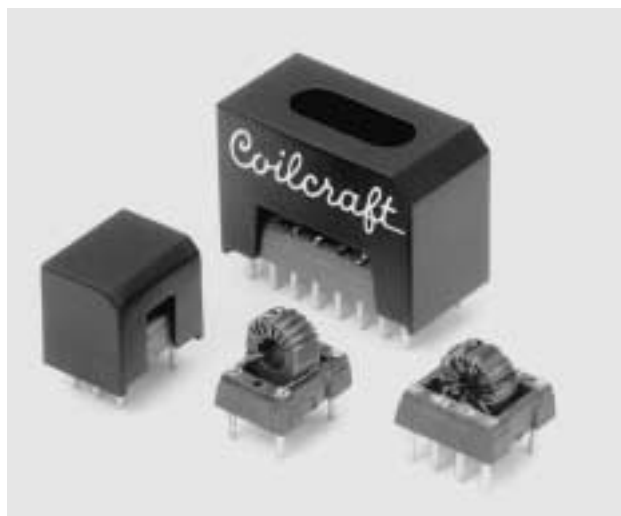


Data Line EMI Filters—Leaded



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

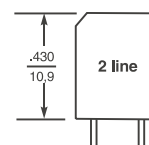
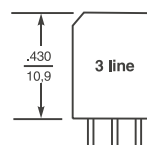
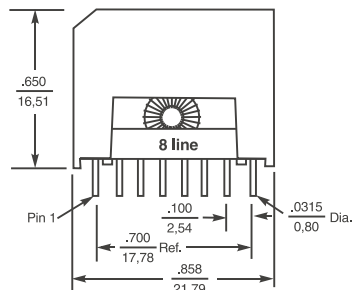
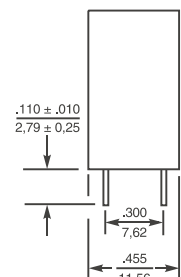
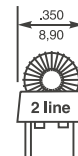
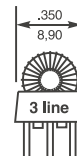
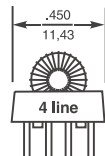
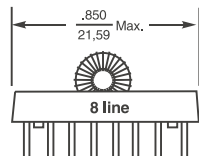
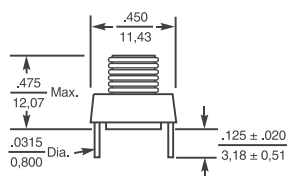
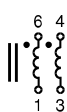
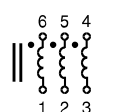
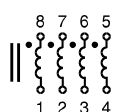
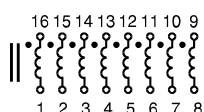
Coilcraft data line EMI filters come in 8, 4, 3 and 2-wire versions with DC current capacity of 100 mA (DLF X000 series) or 500 mA (DLF X500 series).

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

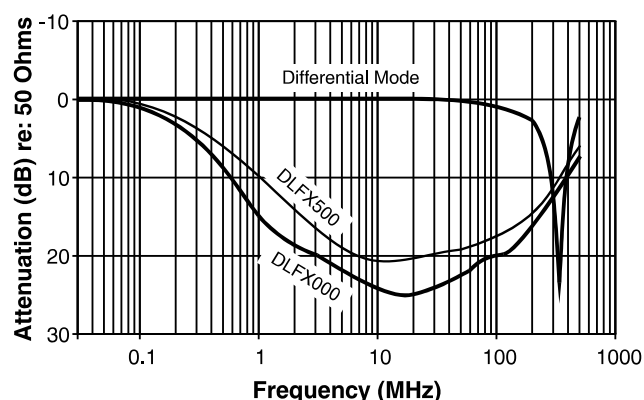
Specifications

| 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.

Coilcraft

Specifications subject to change without notice. Document 149 Revised 9/27/01

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