

**NEW!**

SMT Data Line EMI Filters – PDLF



- Available in 4, 3 and 2-line versions
- See our CCDLF series for 10 and 8-line EMI filters
- Exceptional common mode noise attenuation from 15 MHz to 300 MHz; passes signal line data below 300 MHz with minimal attenuation
- DC current capacity of 500 or 100 mA.
- Excellent electrical isolation (300 Vrms)

Designer's Kit D303 contains four each of all values plus DLF and CCDLF filters

Core material Ferrite

Terminations RoHS compliant Tin-silver-copper over tin over nickel over phos bronze terminations. Other terminations available at additional cost.

Weight 183 – 201 mg

Ambient temperature –40°C to +85°C

Storage temperature Component: –40°C to +85°C.
Packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Mean Time Between Failures (MTBF) 26,315,789 hours

Packaging 500/7" reel; 2000/13" reel Plastic tape: 16 mm wide, 0.35 mm thick, 8 mm pocket spacing, 4.4 mm pocket depth

PCB washing Only pure water or alcohol recommended

| Part number ¹ | Lines | Current max ² (mA) | Inductance min ³ (µH) | DCR max (mOhms) |
|--------------------------|-------|-------------------------------|----------------------------------|-----------------|
| PDLF4000L_ | 4 | 100 | 5 | 250 |
| PDLF4500L_ | 4 | 500 | 5 | 200 |
| PDLF3000L_ | 3 | 100 | 5 | 250 |
| PDLF3500L_ | 3 | 500 | 5 | 200 |
| PDLF2000L_ | 2 | 100 | 5 | 250 |
| PDLF2500L_ | 2 | 500 | 5 | 200 |

1. When ordering, please specify **packaging** code:

PDLF4500LC

C = 7" machine ready reel. EIA-481 embossed plastic tape (500 parts per full reel).

D = 13" machine ready reel. EIA-481 embossed plastic tape (2000 parts per full reel).

B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

2. Current rating is for each line.

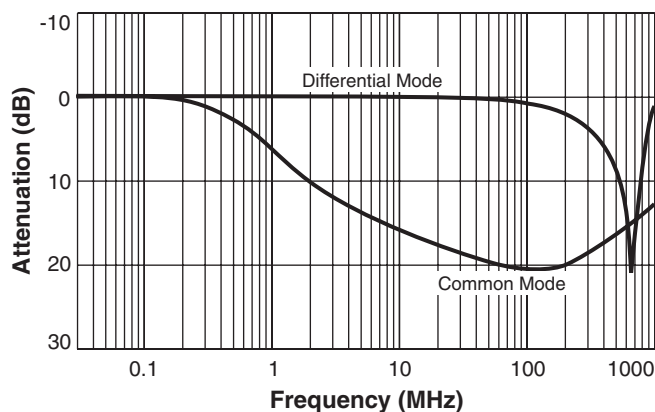
3. Inductance is per winding, tested at 1 MHz.

4. Operating temperature range -40°C to +85°C.

5. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Typical Response*



* Measured on HP 8753D network analyzer. Ref: 50 Ohms.

Coilcraft®

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

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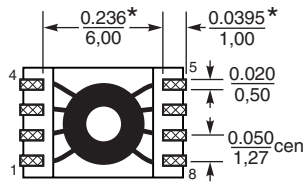
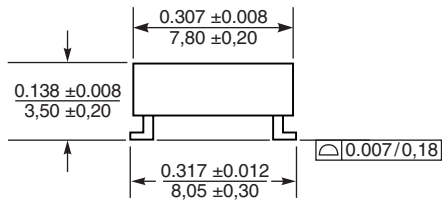
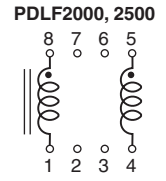
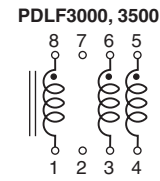
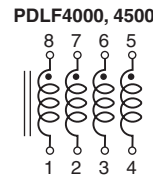
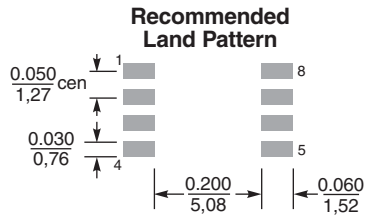
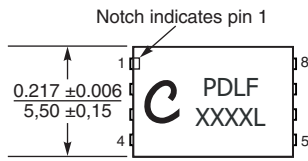
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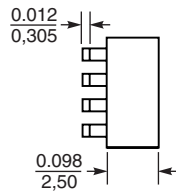


NEW!

Surface Mount Data Line EMI Filters



* Dimensions are typical prior to applying solder



Dimensions are in $\frac{\text{inches}}{\text{mm}}$



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