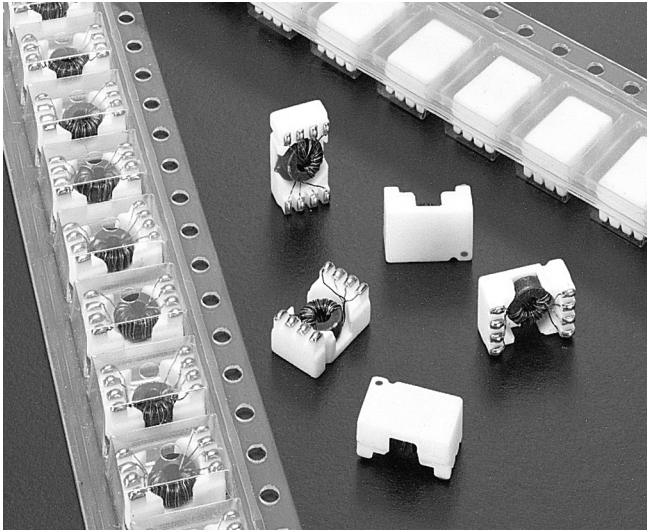




SMT Data Line EMI Filters – TTDLF



As of August 2015, the TTDLF 10000 is no longer available; please consider our CCDLF 10000.

For the TTDLF 2x000, TTDLF 3x000 and TTDLF 4x000, we now offer an even more economical version of this series: PDLF. The PDLF series is electrically identical and fits the same land pattern.

Coilcraft surface mount filters are designed to virtually eliminate the problem of conducted EMI in data line applications. They provide exceptional common mode noise attenuation from 15 MHz to 300 MHz while passing signal line data below 300 MHz with minimal attenuation.

These low resistance filters have been designed for excellent electrical isolation (300 Vrms), environmental stability and low cost.

Part number ¹	Lines	Current max (mA) ²	Inductance min (μ H) ³	DCR max (mOhms)	Weight (mg)	Color Dot
TTDLF 2000L_	2	100	5	250	258	Red
TTDLF 2500L_	2	500	5	200	265	Green
TTDLF 3000L_	3	100	5	250	263	Orange
TTDLF 3500L_	3	500	5	200	270	Violet
TTDLF 4000L_	4	100	5	250	268	Yellow
TTDLF 4500L_	4	500	5	200	270	Blue

1. When ordering, please specify **termination** and **packaging** codes:

TTDLF 2500LD

Termination: L = RoHS compliant tin-silver-copper over silver-platinum-glass frit.
Special order: S = non-RoHS tinlead (63/37).

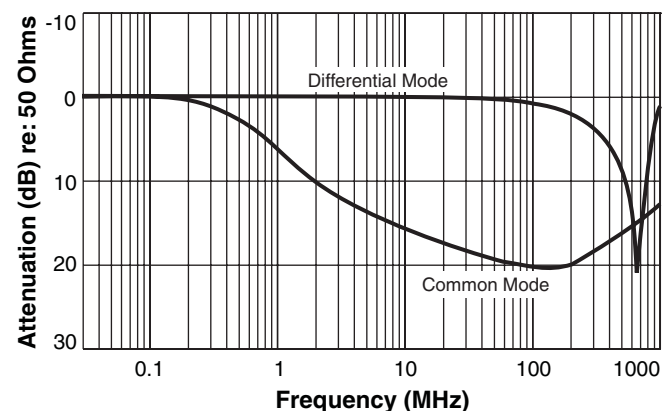
Packaging: C = 7" machine ready reel. EIA-481 embossed plastic tape (500 parts per full reel).

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.

D = 13" machine ready reel. EIA-481 embossed plastic tape (2200 parts per full reel).

- Current rating is for each line.
- Inductance is per winding, tested at 1 MHz.
- Operating temperature range -40°C to +85°C.
- Electrical specifications at 25°C.

Typical Response*



*Measured on HP 8753D network analyzer.



www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
 UK +44-1236-730595 sales@coilcraft-europe.com
 Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
 China +86-21-6218 8074 sales@coilcraft.com.cn
 Singapore +65-6484 8412 sales@coilcraft.com.sg

Document 123-1 Revised 08/20/15

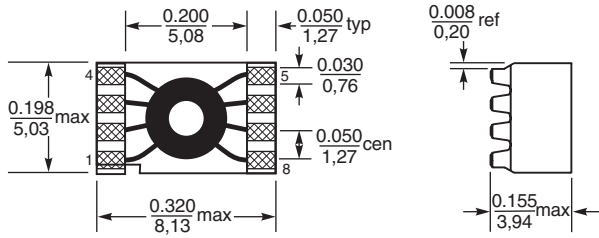
© Coilcraft Inc. 2015

This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.



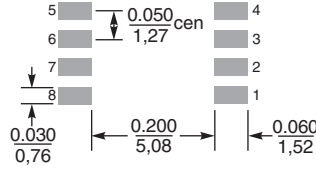
Surface Mount Data Line EMI Filters

TTDLF 4x00, 3x00, 2x00

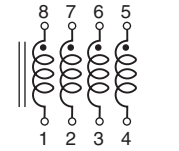


Dimensions are in $\frac{\text{inches}}{\text{mm}}$

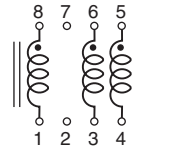
Recommended Land Pattern



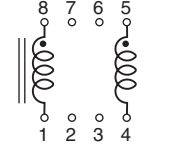
TTDLF 4000, 4500



TTDLF 3000, 3500



TTDLF 2000, 2500



Packaging 500/7" reel; 2200/13" reel; Plastic tape: 16 mm wide, 0.3mm thick, 8 mm pocket spacing, 3.8 mm pocket depth