

# Data Line Filters

Data Line Protection Applications

Frequency Range up to 100 MHz

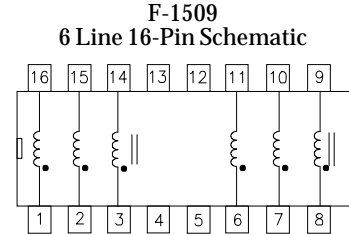
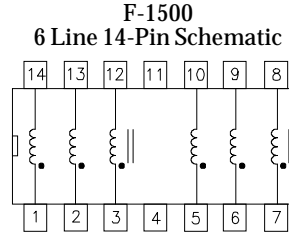
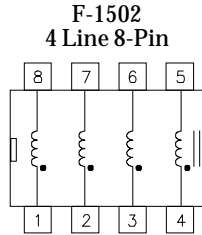
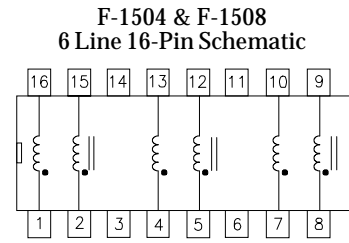
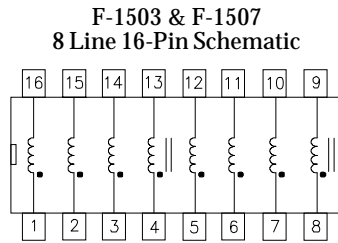
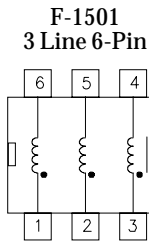
Filter Common & Differential Mode Noise

EMI / RFI Suppression

High Current & Voltage Isolation

Hi-Pot 500 V<sub>RMS</sub> Minimum

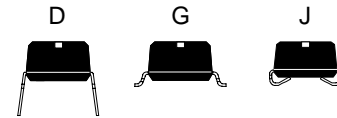
*Tape & Reel available for SMD versions*



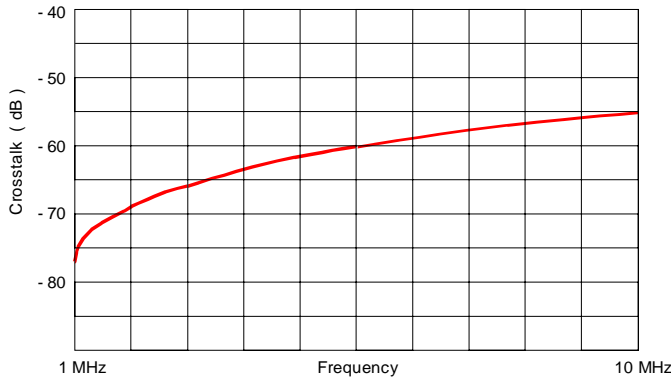
Electrical Specifications at 25°C

DIP Part Number	Data Lines	Coils	Turns Ratio	OCL min. (μH)	L <sub>L</sub> max. (μH)	DCR max. (mΩ)	C <sub>www</sub> max. (pF)	(See Dwg. on Pg. 40) Package
F-1500	6	2	1:1:1	85	0.25	200	9.5	14 Pin
F-1501	3	1	1:1:1	85	0.25	200	9.5	6 Pin
F-1502	4	1	1:1:1:1	85	0.25	200	9.5	8 Pin
F-1503	8	2	1:1:1:1	85	0.25	200	12.0	16 Pin
F-1504	6	3	1:1	85	0.25	200	10.0	16 Pin

100 mil DIP & SMD 6, 8, 14 & 16 Pin  
(Add G or J for SMD)  
See pg. 40, fig. 4, 5, & 6

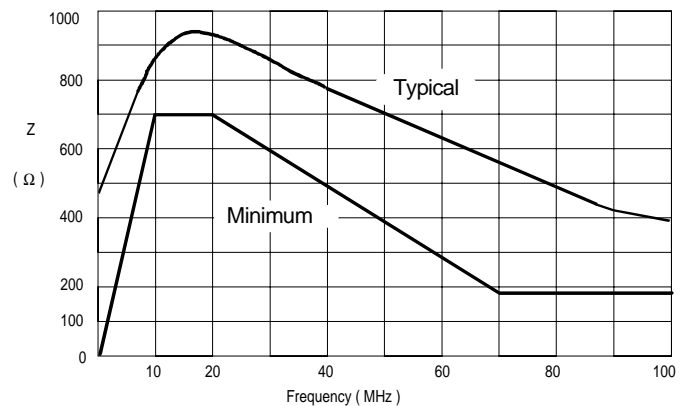


## \*Crosstalk



\*For Dataline Filters with two coils or more

## Impedance

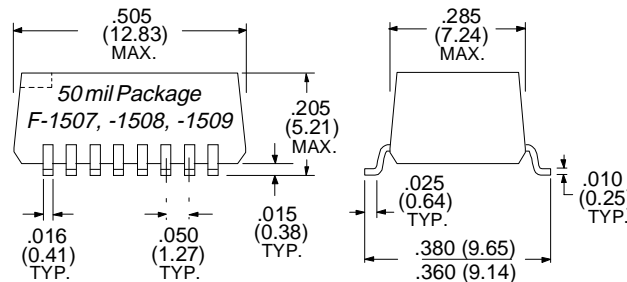


50 mil P/N	Data Lines	Coils	Turns Ratio	OCL min. (μH)	L <sub>L</sub> max. (μH)	DCR max. (mΩ)	C <sub>www</sub> max. (pF)	50 mil Package
F-1507	8	2	1:1:1:1	85	0.25	200	12.0	16-Pin
F-1508	6	3	1:1	85	0.25	200	12.0	16-Pin
F-1509	6	2	1:1:1	85	0.25	200	12.0	16-Pin

For Complete Details including PDF Catalogs & Data Sheets on this and other product families visit

[www.rhombus-ind.com](http://www.rhombus-ind.com)

50 mil Package  
F-1507, -1508, -1509  
Dimensions in Inches (mm)



Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

DATALINE-4/99