

Data Line Filters

Data Line Protection Applications

Frequency Range up to 100 MHz

Filter Common &
Differential Mode Noise

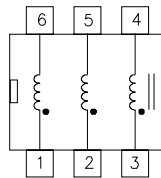
EMI / RFI Suppression

High Current & Voltage Isolation

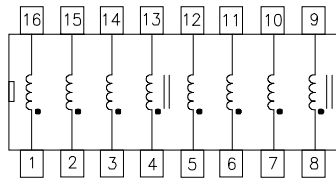
Hi-Pot 500 V_{RMS} Minimum

*Tape & Reel available
for SMD versions*

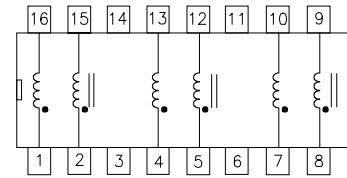
F-1501
3 Line 6-Pin



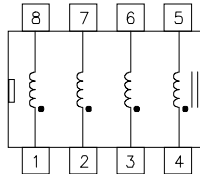
F-1503 & F-1507
8 Line 16-Pin Schematic



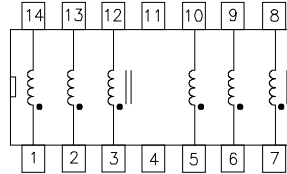
F-1504 & F-1508
6 Line 16-Pin Schematic



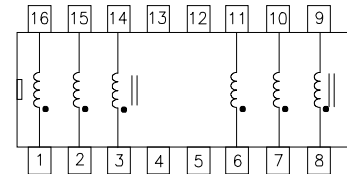
F-1502
4 Line 8-Pin



F-1500
6 Line 14-Pin Schematic



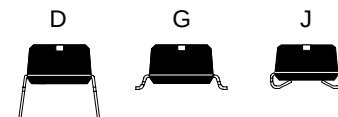
F-1509
6 Line 16-Pin Schematic



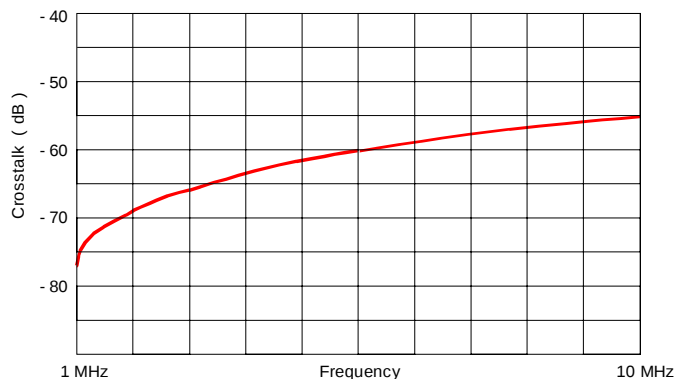
Electrical Specifications at 25°C

DIP Part Number	Data Lines	Coils	Turns Ratio	OCL min. (μH)	L _L max. (μH)	DCR max. (mΩ)	C _{www} 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

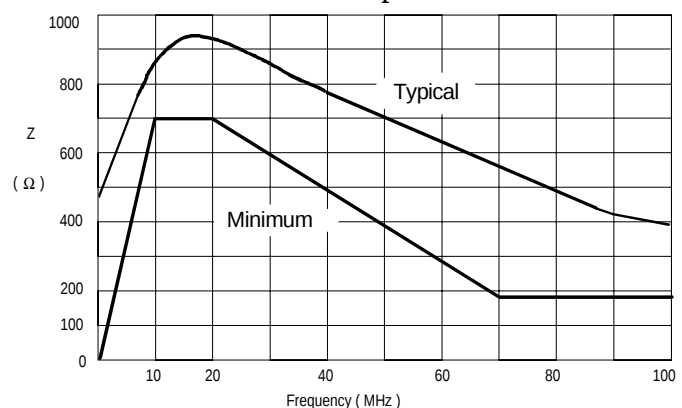


*Crosstalk



*For Dataline Filters with two coils or more

Impedance

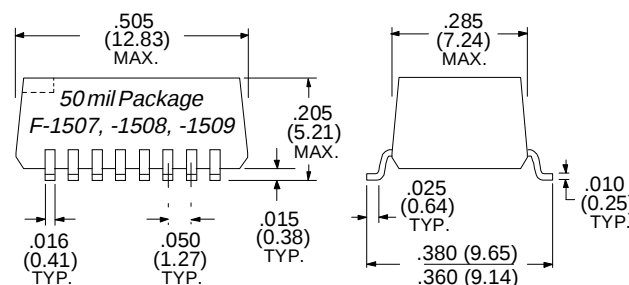


50 mil P/N	Data Lines	Coils	Turns Ratio	OCL min. (μH)	L _L max. (μH)	DCR max. (mΩ)	C _{www} max. (pF)	50 mil Package
F-1507	8	2	1:1:1:1	85	0.25	200	12.0	16-Pin
F-1508	6	3	1:1	85	0.25	200	12.0	16-Pin
F-1509	6	2	1:1:1	85	0.25	200	12.0	16-Pin

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

www.rhombus-ind.com

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