

> FACILITY POWER LINE FILTER



● Features

These power line filters designed for EMC protection of power lines. These are suitable for voltage up to 380Vac and high current power line application.

● General Specification

Insertion loss : 60dB min at 14 kHz,
100dB min from 150KHz to 18GHz
DC withstanding voltage : 2250Vdc
DC Resistance : Max. 2mΩ ~8mΩ
Operating/Storage temperature : -45°C to +85°C

● Electric Specification and Dimension

Part Number	Rated Current [A]	Rated Voltage [Vac]	Max. Dc Res. (mΩ)	Lines	Dimension[mm]			Max Weight [kg]
					L	W	H	
FCF-10-0010A-X2	10	250	8	2	600	220	150	17
FCF-10-0030A-X2	30	250	6	2	600	220	150	18
FCF-10-0050A-X2	50	250	4	2	630	250	160	20
FCF-10-0100A-X2	100	250	3	2	770	310	170	33
FCF-10-0200A-X2	200	250	3	2	870	350	190	45
FCF-20-0030A-X4	30	380	6	4	600	326	180	27
FCF-20-0050A-X4	50	380	4	4	630	340	180	31
FCF-20-0100A-X4	100	380	3	4	770	400	180	48
FCF-20-0200A-X4	200	380	3	4	870	500	200	78
FCF-20-0300A-X4	300	380	2	4	900	650	230	100

* The size of the filter can change depending on the situation

> FACILITY POWER LINE FILTER (High Performance)



● Features

These high performance power line filters has been designed to meet high insertion loss requirement of 100dB from 14kHz to 10GHz. These filters are designed for EMC protection of power lines. These are suitable for voltage up to 380Vac and high current power line application.

● General Specification

Insertion loss : 100dB min from 14kHz to 18GHz
DC withstanding voltage : 2250Vdc
DC Resistance : Max. 2mΩ ~8mΩ
Operating/Storage temperature : -45°C to +85°C

● Electric Specification and Dimension

Part Number	Rated Current [A]	Rated Voltage [Vac]	Max. Dc Res. (mΩ)	Lines	Dimension[mm]			Max Weight [kg]
					L	W	H	
FCF-10-0010A-X2-02	10	250	8	2	790	220	150	24
FCF-10-0030A-X2-02	30	250	6	2	790	220	150	24
FCF-10-0050A-X2-02	50	250	4	2	940	270	160	30
FCF-10-0100A-X2-02	100	250	3	2	1010	300	180	50
FCF-10-0200A-X2-02	200	250	2	2	1210	380	200	70
FCF-20-0030A-X4-02	30	380	6	4	800	300	180	45
FCF-20-0050A-X4-02	50	380	4	4	960	340	180	52
FCF-20-0100A-X4-02	100	380	3	4	1030	400	200	75
FCF-20-0200A-X4-02	200	380	2	4	1230	500	220	130
FCF-20-0300A-X4-02	300	380	2	4	1400	620	250	180

* The size of the filter can change depending on the situation

HEMP DATA LINE FILTERS

Features

These DATA line filters are designed for HEMP protection of UTP, TEL line.



Filter for LAN

- ▶ Rated Voltage : 10Vdc
- ▶ Rated Current : 1A
- ▶ Line Number : 4
- ▶ Data transfer rate : 100Mbps
- ▶ MIL-STD-188-125-1(Short pulse) : 0.1A(MAX) at 3535A
- ▶ Operating/Storage temperature : -40°C to +85°C

Filter for TEL

- ▶ Insertion Loss : 10kHz=28dB, 150kHz~10GHz = 80dB
- ▶ Rated Voltage : 200Vac
- ▶ Rated Current : 0.5A
- ▶ Line Number : 2
- ▶ MIL-STD-188-125-1(Short pulse) : 0.1A(MAX) at 3535A
- ▶ Operating/Storage temperature : -40°C to +85°C

Filter for IPCamera

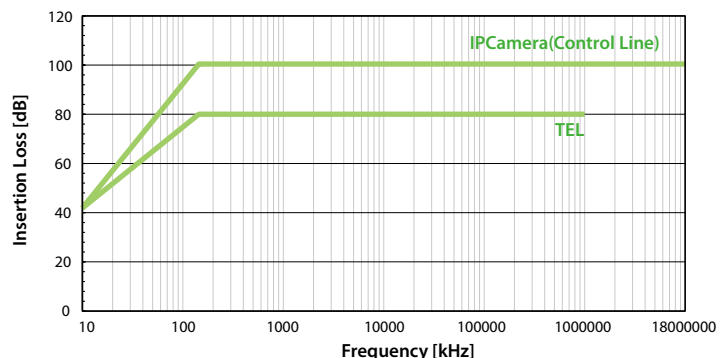
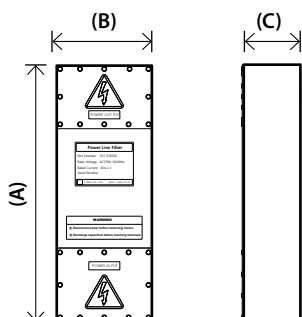
- Control Line(2Line)**
- ▶ Insertion Loss : 10kHz=35dB, 150kHz~18GHz = 100dB
- ▶ Rated Voltage / Current : 100Vdc / 1A
- ▶ MIL-STD-188-125-1(Short pulse) : 0.1A(MAX) at 2050A
- Data Line(4Line)**
- ▶ Data Rate : 100Mbps
- ▶ MIL-STD-188-125-1(Short pulse) : 0.1A(MAX) at 2050A

Electric Specification and Dimension

Part Number	Rated Current [A]	Rated Voltage	Line Number	Dimension [mm]			Max Weight [kg]
				A	B	C	
937-E20100 (Filter for TEL)	0.5	200Vac	2	81	290	60	2
937-E20200 (Filter for LAN)	1	10Vdc	4	113	243	50	3.5
937-E20300 (Filter for IPCamera)	1	100Vdc	6	203	300	60	6

* The size of the filter can change depending on the situation

Dimensions



▶ HEMP LOW LEAKAGE CURRENT POWER LINE FILTER



● Features

These low leakage current power line filters designed for HEMP protection of power lines. These are suitable for voltage up to 220Vac power line application. Maximum leakage current is 15mA at 220Vac/50,60Hz measured from line to ground.

● General Specification

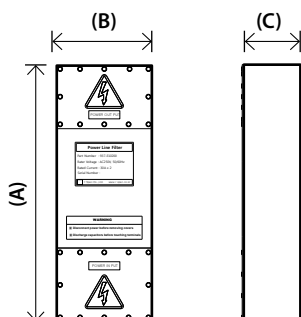
Insertion Loss : 22dB min at 10kHz, 100dB min from 2MHz to 18GHz
 Leakage Current : 15mA max at 220Vac/50, 60Hz
 DC withstanding voltage : 1150Vdc
 MIL-STD-188-125-1(Short pulse) : 4A max at 2500A
 Operating/Storage temperature : -40°C to +85°C

● Electric Specification and Dimension

Part Number	Rated Current [A]	Rated Voltage [Vac]	Line Number	Dimension[mm]			Max Weight [kg]
				A	B	C	
937-E10050-L	10	220	2	470	160	110	9.5
937-E10100-L	20	220	2	490	180	120	11
937-E10150-L	30	220	2	540	210	150	13

* The size of the filter can change depending on the situation

● Dimensions



● Insertion Loss

