

ED Series

Highest Performance Compact
RFI Power Line Filters
with IEC Connectors



UL Recognized
CSA Certified
VDE Approved

ED Series

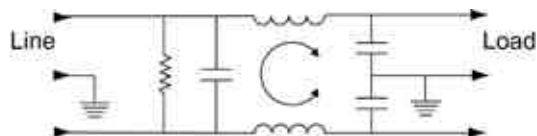
ED series filters are more effective than general-purpose filters in applications where line-to-line and low-frequency line-to-ground noise must be controlled; for example, to bring equipment into compliance with FCC conducted emissions standards.

The ED series offers significantly higher performance than comparably sized filters, especially at high frequencies, yet is in the EF series package which incorporates the IEC power line connector. Models ED1, ED1C, and ED2 have .250" terminals on load side; ED4, ED4C, ED8, and ED8C have wire leads.

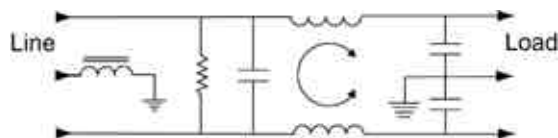
Models 6ED1C, 10ED1C, 6ED4C, and 6ED8C additionally incorporate a separate ground-circuit inductor to isolate the equipment chassis from power line ground at RF frequencies.

Electrical Schematics

ED Models



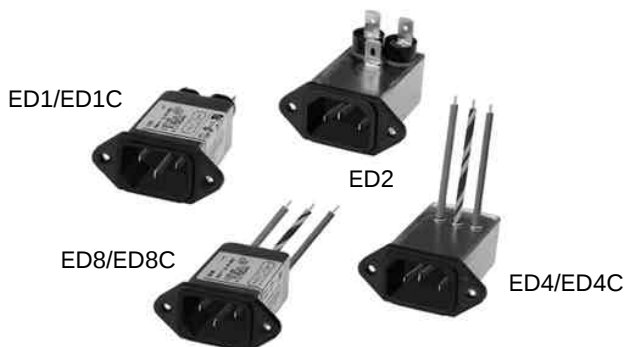
ED-C Models



Resistor location for reference only.

Line Cord

Line Cord No. GA400:
7 1/2 foot, 3-conductor line cord to mate with ED series.



Specifications

Maximum leakage current, each

line-to-ground	@ 120 VAC 60 Hz:	.22 mA
	@ 250 VAC 50 Hz:	.38 mA

Hipot rating (one minute):

line-to-ground	1500 VAC
line-to-line	1450 VDC

Operating frequency:

50/60 Hz

Rated voltage:

120/250 VAC

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	.15	.5	1	5	10	30
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ED1, ED2

ED4, ED8

1A	24	35	42	49	52	54
3A	20	29	36	45	50	54
6A	14	23	30	41	45	50
10A	8	14	20	35	39	45
15A	4	9	12	28	34	40

ED1C

6A	14	20	25	37	42	50
10A	8	14	20	35	39	45

ED4C, ED8C

6A	14	20	25	37	42	50
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Line-to-line in 50 ohm circuit

Current Rating	.15	.5	1	5	10	30
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ED1, ED2

ED4, ED8

1A	3	15	20	37	37	36
3A	3	15	20	37	37	36
6A	3	15	20	31	35	34
10A	8	20	25	38	44	47
15A	6	18	23	33	44	47

ED1C

6A	7	17	23	36	42	42
10A	8	20	25	38	44	47

ED4C, ED8C

6A	7	17	23	29	38	42
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$$\frac{EC}{2c}$$