

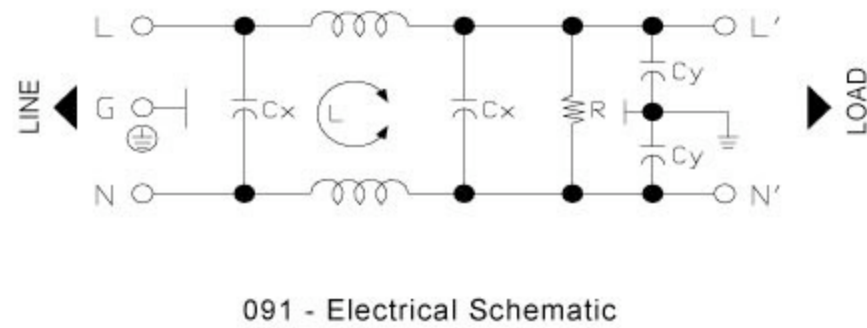
091/091M High Performance Single Phase Single Stage General Purpose and Medical Filters



091 Series

High Performance General Purpose Single Phase Single Stage Filters

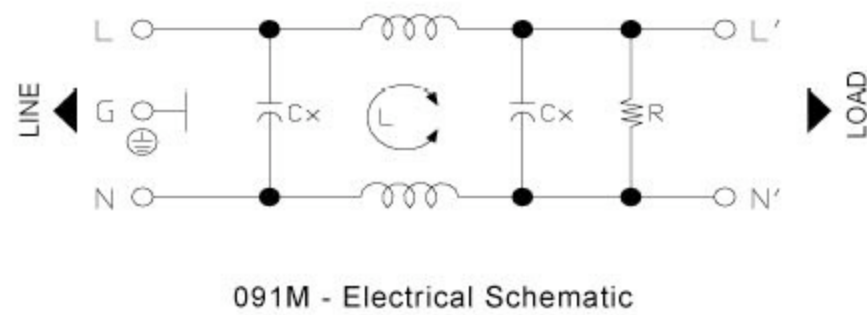
- Features: High performance, single phase, general purpose power line filters with fast on/stud/wire terminals.
- Typical Applications: White goods, single phase industrial equipment, power supply systems and controls, communication systems.



091M Series

Low Leakage Current Medical High Performance Single Phase Single Stage Filters

- Features: Low leakage current, high performance, single phase general purpose power line filters with fast on/stud/wire terminals.
- Typical Applications: White goods under safety requirements, medical equipment, sensitive power supply systems and controls, communication systems.



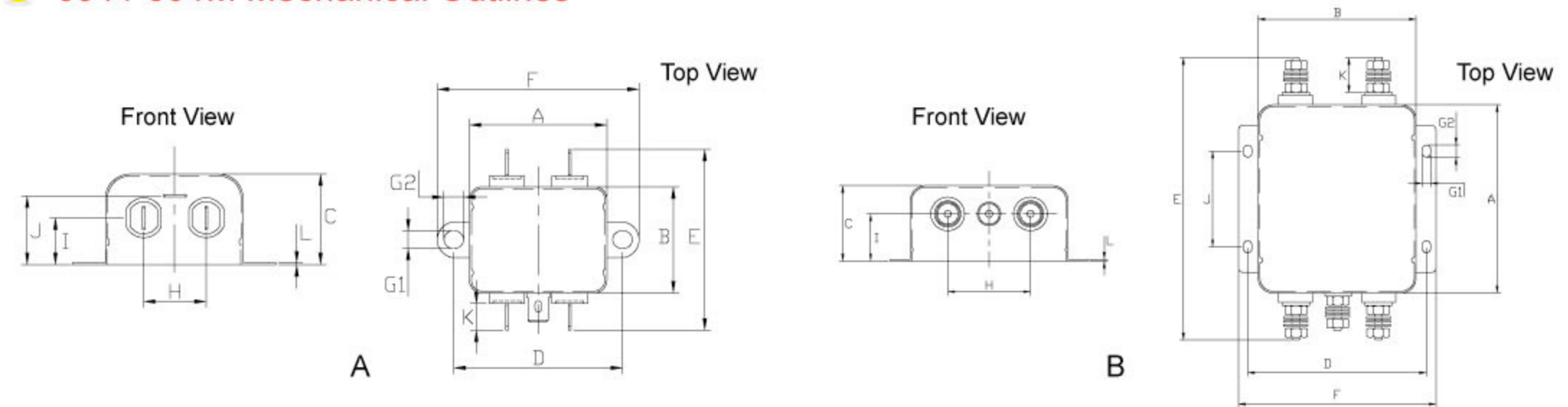
Technical Data

Rated Voltage	250 VAC Max.	Leakage Current 091 Series	
Rated Current	1-40 A @ 40°C	@ 250 VAC 50 Hz	0.42 mA Max.
Operating Frequency	50/60 Hz	@ 115 VAC 60 Hz	0.23 mA Max.
Hipot Rating		Leakage Current 091M Series	
Line to Line	1450 VDC	@ 250 VAC 50 Hz	10 µA Max.
Line to Ground	2250 VDC	@ 115 VAC 60 Hz	5 µA Max.
Case	CRS Ni plated	IP Standard	65
Packaging Quantity	108/50/16 pcs per carton	Climatic category	25/85/21

091 Model No.	091M Model No.	Rated Current @ 40°C	Mechanical Diagram	Unit Weight (g)	Terminal Options	
					In	Out
091.00101.00	091M.00101.00	1.0	A	80.0	Faston 6.35*0.8 / M4	Faston 6.35*0.8 / M4
091.00301.00	091M.00301.00	3.0	A	84.0	Faston 6.35*0.8 / M4	Faston 6.35*0.8 / M4
091.00601.00	091M.00601.00	6.0	A	88.0	Faston 6.35*0.8 / M4	Faston 6.35*0.8 / M4
091.01001.00	091M.01001.00	10.0	A	151.0	Faston 6.35*0.8 / M4	Faston 6.35*0.8 / M4
091.01501.00	091M.01501.00	15.0	A	160.0	Faston 6.35*0.8 / M4	Faston 6.35*0.8 / M4
091.02001.00	091M.02001.00	20.0	A	160.0	Faston 6.35*0.8 / M4	Faston 6.35*0.8 / M4
091.02501.00	091M.02501.00	25.0	B	701.0	M4 / M6	M4 / M6
091.03001.00	091M.03001.00	30.0	B	742.0	M6	M6
091.04001.00	091M.04001.00	40.0	B	759.0	M6	M6

Please mark terminal type at the end of the P/N when ordering or inquiring

091 / 091M Mechanical Outlines



091 / 091M Mechanical Dimensions (mm) For reference only

Model No.	Model No.	A	B	C	D	E	F	G	H	I	J	K
091.00101.00	091M.00101.00	44.0	33.0	29.0	54.0	56.8	64.0	2-Φ5.3*6.3	20.0	15.0	22.0	8.5
091.00301.00	091M.00301.00	44.0	33.0	29.0	54.0	56.8	64.0	2-Φ5.3*6.3	20.0	15.0	22.0	8.5
091.00601.00	091M.00601.00	44.0	33.0	29.0	54.0	56.8	64.0	2-Φ5.3*6.3	20.0	15.0	22.0	8.5
091.01001.00	091M.01001.00	51.0	52.0	29.0	61.0	75.8	71.0	2-Φ5.3*6.3	20.0	14.0	22.0	8.5
091.01501.00	091M.01501.00	51.0	52.0	29.0	61.0	75.8	71.0	2-Φ5.3*6.3	20.0	14.0	22.0	8.5
091.02001.00	091M.02001.00	51.0	52.0	29.0	61.0	75.8	71.0	2-Φ5.3*6.3	20.0	14.0	22.0	8.5
091.02501.00	091M.02501.00	100.0	84.0	40.0	95.0	150.6	105.0	4-Φ4.5*6.5	44.0	25.0	50.8	20.5
091.03001.00	091M.03001.00	100.0	84.0	40.0	95.0	150.6	105.0	4-Φ4.5*6.5	44.0	25.0	50.8	20.5
091.04001.00	091M.04001.00	100.0	84.0	40.0	95.0	150.6	105.0	4-Φ4.5*6.5	44.0	25.0	50.8	20.5

All dimensions in mm, 1 inch=25.4 mm

Insertion Loss in dB Measured in a 50Ω System

Model No.	Common Mode IL (Frequencies in MHz)								Model No.	Common Mode IL (Frequencies in MHz)							
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0		0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0
091.00101.00	23.0	29.0	33.0	45.0	55.0	56.0	56.0	52.0	091M.00101.00	23.0	30.0	35.0	45.0	52.0	51.0	51.0	45.0
091.00301.00	23.0	27.0	33.0	43.0	52.0	53.0	53.0	52.0	091M.00301.00	23.0	30.0	35.0	44.0	52.0	51.0	51.0	45.0
091.00601.00	18.0	23.0	29.0	40.0	48.0	48.0	46.0	41.0	091M.00601.00	18.0	24.0	29.0	40.0	45.0	42.0	42.0	40.0
091.01001.00	15.0	20.0	25.0	38.0	45.0	45.0	42.0	41.0	091M.01001.00	15.0	22.0	25.0	36.0	43.0	38.0	38.0	36.0
091.01501.00	12.0	18.0	21.0	35.0	43.0	43.0	41.0	41.0	091M.01501.00	12.0	18.0	23.0	35.0	38.0	33.0	33.0	30.0
091.02001.00	12.0	18.0	21.0	33.0	42.0	43.0	41.0	41.0	091M.02001.00	12.0	19.0	22.0	35.0	37.0	32.0	33.0	30.0
091.02501.00	10.0	15.0	20.0	30.0	40.0	42.0	41.0	40.0	091M.02501.00	10.0	16.0	19.0	33.0	37.0	33.0	33.0	30.0
091.03001.00	10.0	15.0	20.0	30.0	41.0	42.0	40.0	38.0	091M.03001.00	8.0	13.0	16.0	29.0	35.0	30.0	30.0	28.0
091.04001.00	8.0	12.0	15.0	28.0	37.0	40.0	39.0	35.0	091M.04001.00	8.0	12.0	15.0	28.0	34.0	30.0	30.0	28.0

Model No.	Differential Mode IL (Frequencies in MHz)								Model No.	Differential Mode IL (Frequencies in MHz)							
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0		0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0
091 Series	5.0	10	13.0	23.0	30.0	35.0	35.0	35.0	091M Series	5.0	10.0	13.0	23.0	30.0	35.0	35.0	35.0

- Line to ground capacitors are available up to 4,700 pF.
- Other specifications, requirements and customizations can be provided upon request.