

EMI Filters for Servo Applications

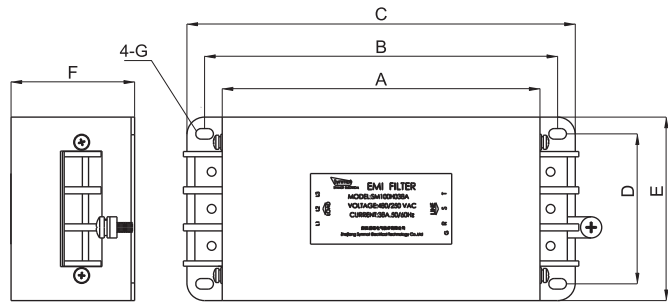
Product Features

- ▲ Developed for servo applications, with excellent interference, conduction filtering effect, excellent low frequency attenuation, and common mode and differential mode rejection capability, can effectively protect the servo drives and improve the anti-interference ability;
- ▲ New magnetic materials are used in common-mode and differential-mode inductors, capacitors and other electronic materials are highly reliable and quality guaranteed, to comply with international standards;
- ▲ The surge absorption capacity is strong while the leakage current is relatively small;
- ▲ Small volume, light weight, easy installation.



Technical Parameters

- ▲ Rated voltage: 415±15%VAC;
- ▲ Frequency: 50/60Hz;
- ▲ Leakage current: < 2.0 mA @250VAC/50Hz;
- ▲ Working temperature: -25°C~+125°C.



Modle	Rated current	Mounting hole		Dimensions				Mounting hole size	Weight Kg
	A	B	D	A	C	E	F	G	
SM101H038A	38	200	85	178	220	102	69	6×10	2.5
SM101H050A	50	200	85	178	220	102	89	6×10	3.1
SM101H065A	65	200	85	178	220	102	89	8×16	3.5
SM101H085A	85	277	85	218	303	138	89	8×16	4.7
SM101H120A	120	277	85	218	303	138	89	8×16	4.9
SM101H150A	150	345	138	304	371	188	99	8×16	8.8
SM101H180A	180	345	138	304	371	188	99	8×16	9.0

Performance Parameters

Model	Frequency (MHz)	Common-mode insertion loss (dB)							Differential-mode insertion loss (dB)						
		0.1	0.15	0.5	1	5	10	30	0.1	0.15	0.5	1	5	10	30
SM101H038A		18.5	26.6	44.8	49.4	43.2	37.5	26.4	23.2	27.1	50.6	55.1	38.5	32.7	24.0
SM101H050A		23.7	31.2	53.8	58.9	40.4	34.3	23.1	26.2	23.2	56.7	58.5	39.6	34.5	25.0
SM101H065A		23.7	31.2	53.8	58.9	40.4	34.3	23.1	26.2	23.2	56.7	58.5	39.6	34.5	25.0
SM101H085A		24.5	33.4	56.2	58.8	43.4	37.5	25.9	21.8	35.0	54.8	59.7	38.4	33.0	22.1
SM101H120A		24.5	33.4	56.2	58.8	43.4	37.5	25.9	21.8	35.0	54.8	59.7	38.4	33.0	22.1
SM101H150A		40.0	46.9	61.5	59.5	40.7	35.5	23.5	28.7	45.8	55.9	57.5	38.1	30.8	25.2
SM101H180A		40.0	46.9	61.5	59.5	40.7	35.5	23.5	28.7	45.8	55.9	57.5	38.1	30.8	25.2