

## General Purpose single-phase EMC/EMI filter 单相交流通用型滤波器



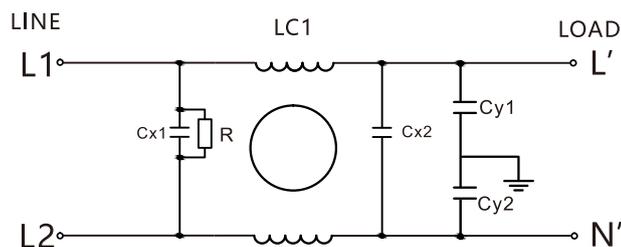
### Product Profile 产品简述

- Compact structure, high cost-performance
- Excellent common/differential mode filtering performance, and low leakage current
- It can effectively suppress the conduction interference in most single-phase power-supply equipment, electronics, and electrical equipment.
- Rated current: 5 ~ 1500A (optional)
- Electronic and electrical equipment, consumer electronics, household appliances
- Medical equipment, data communication equipment, office automation
- Single-phase servo drive, VFD, inverter, electric vehicle, charging pile
- 结构紧凑, 性价比高
- 良好的共模、差模滤波效果, 低漏电流
- 可有效解决绝大多数单相供电设备及电子、电气设备的传导干扰
- 额定电流: 5 ~ 1500A 可选
- 电子电气设备、消费电子、家用电器
- 医疗设备、数据通讯设备、办公自动化
- 单相伺服电机、变频器、逆变设备、电动汽车、充电桩

### Product Parameters 产品参数

Rated Voltage:	5~150A, 250VAC; 200-1500A,660VAC	额定电压:	5~150A, 250VAC; 200-1500A,660VAC
Rated Current:	5 ~ 1500A@40°C	额定电流:	5 ~ 1500A@40°C
Operating Frequency:	0~400Hz	工作频率:	0~400Hz
Test Voltage (1 minute):	L-N: 2000VDC, 1min; L/N-E: 2500VAC, 1min	试验电压:	L-N: 2000VDC, 1min; L/N-E: 2500VAC, 1min
Range of Temperature:	-25°C ~ 85°C	温度范围:	-25°C ~ 85°C
Insulation Resistance:	L/N-E, 500VDC, ≥500MΩ	绝缘电阻:	L/N-E, 500VDC, ≥500MΩ
Leakage Current:	L/N-E, 250VAC/50Hz, ≤1.6mA	泄漏电流:	L/N-E, 250VAC/50Hz, ≤1.6mA
Design corresponding to:	EN 133200, IEC/EN60939, GB/T15288-94 GB7343-1987, GB/T14472(IEC384-14)	执行标准:	EN 133200, IEC/EN60939, GB/T15288-94 GB7343-1987, GB/T14472(IEC384-14)

### Electrical Diagram 电气原理图



Product Size 产品尺寸图

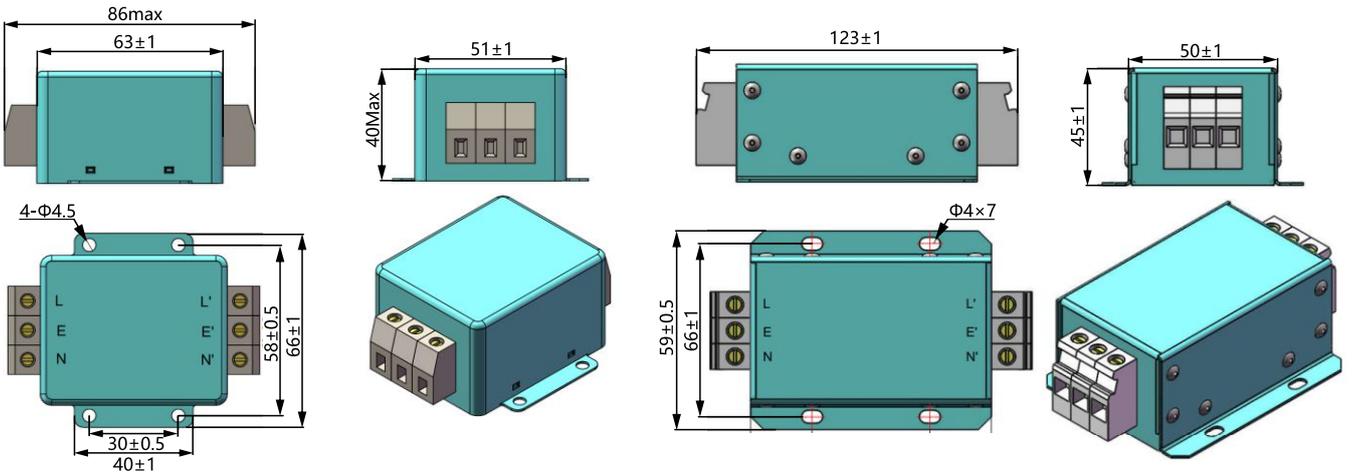


Fig. A

Fig. B

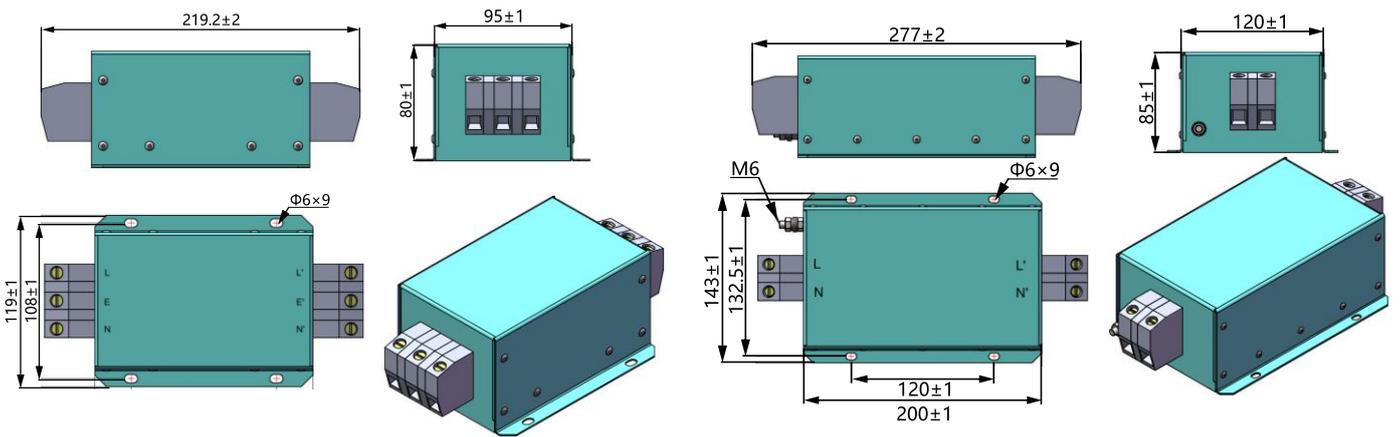


Fig. C

Fig. D

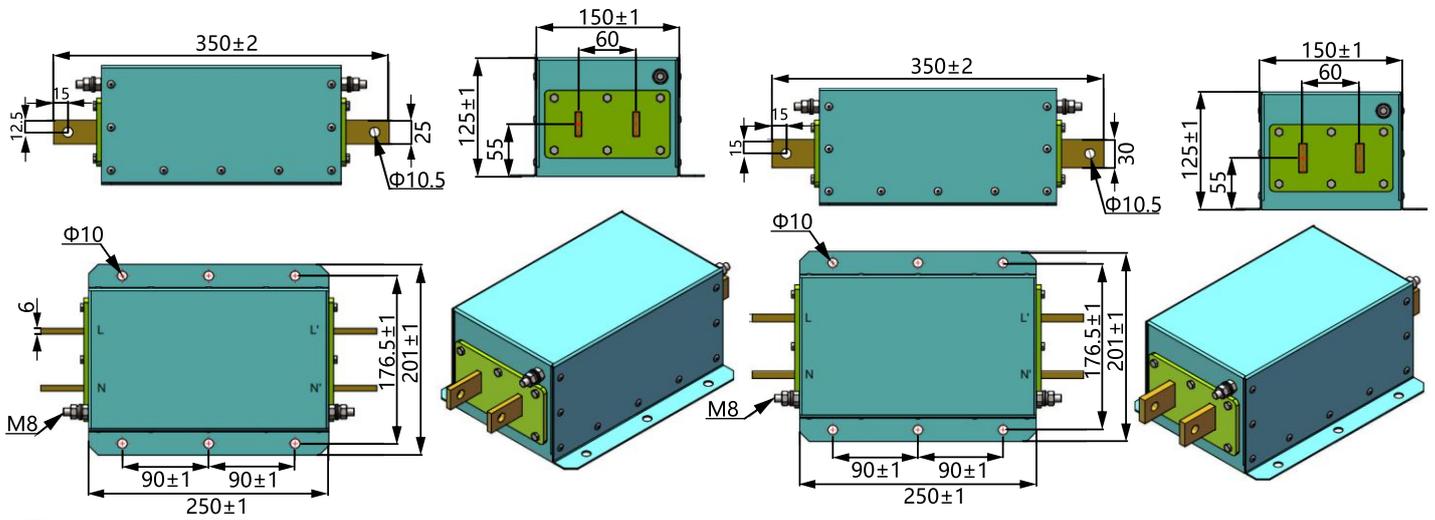


Fig. E

Fig. F

■ Product Size 产品尺寸图

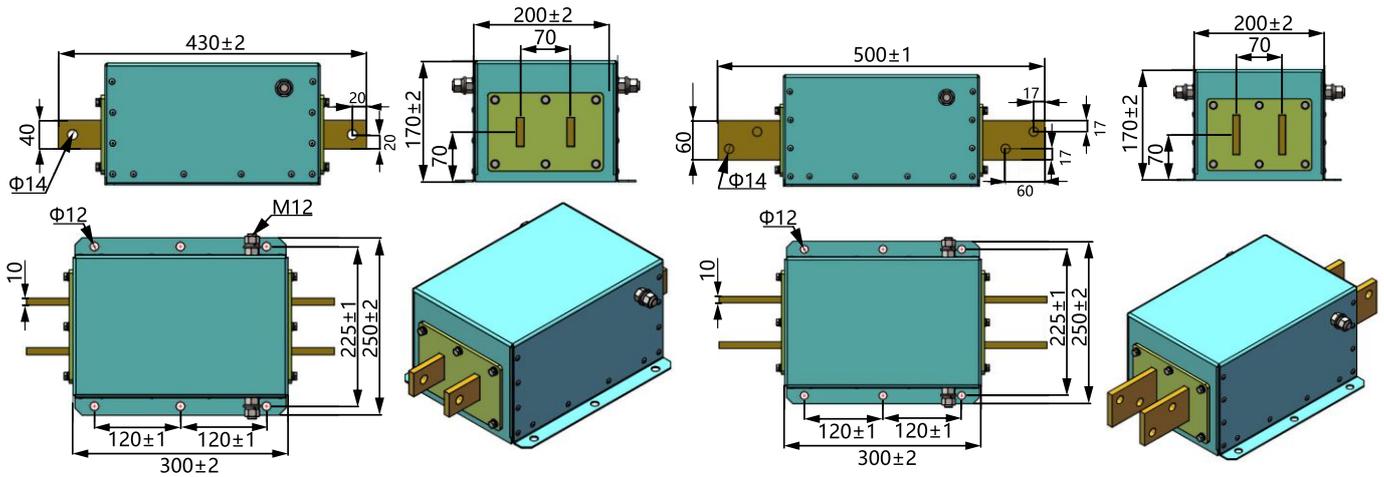


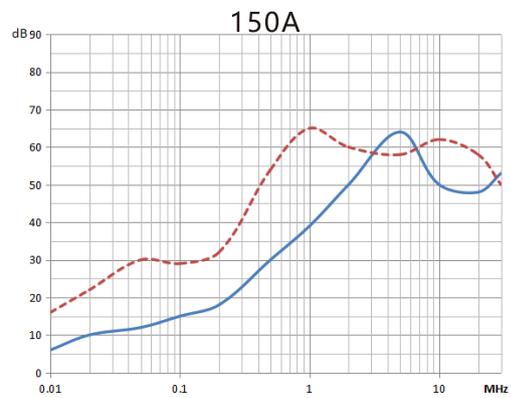
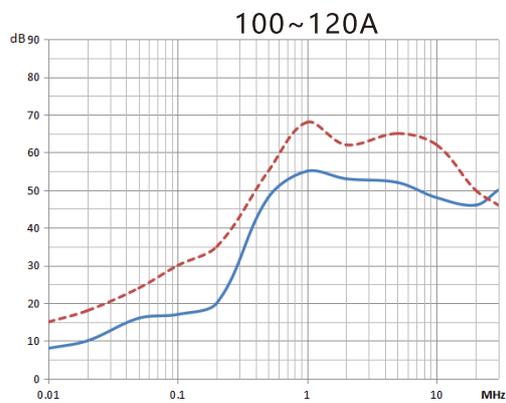
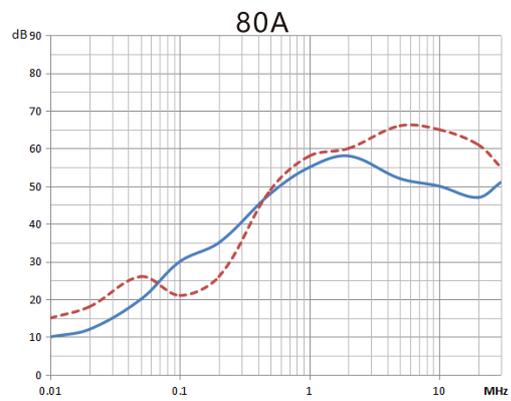
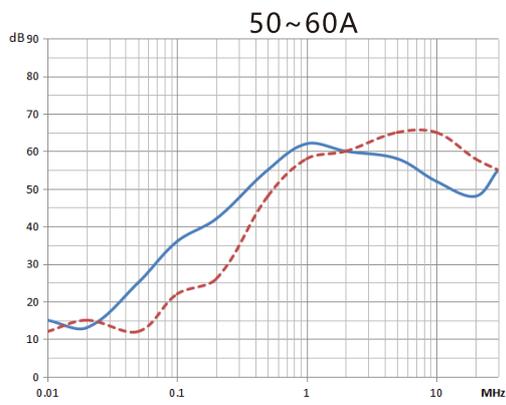
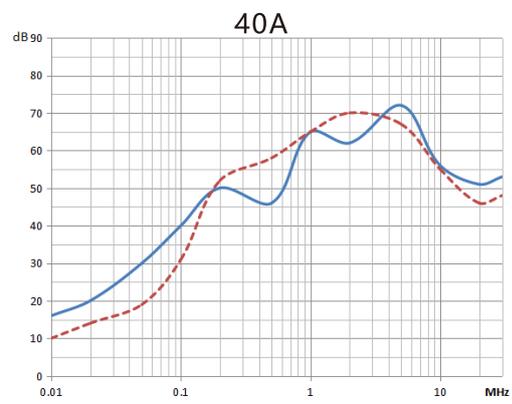
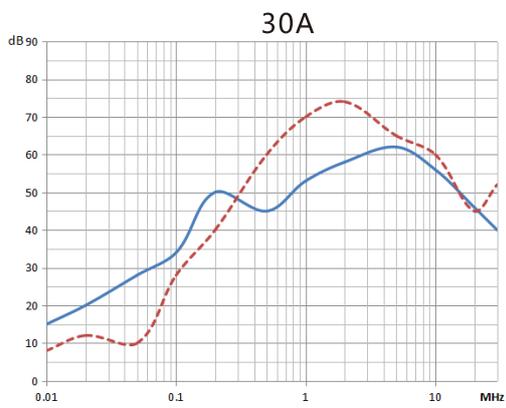
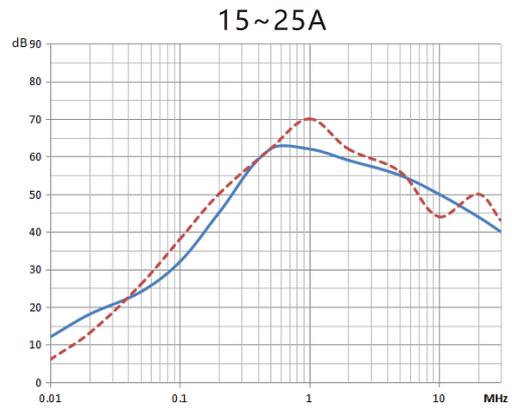
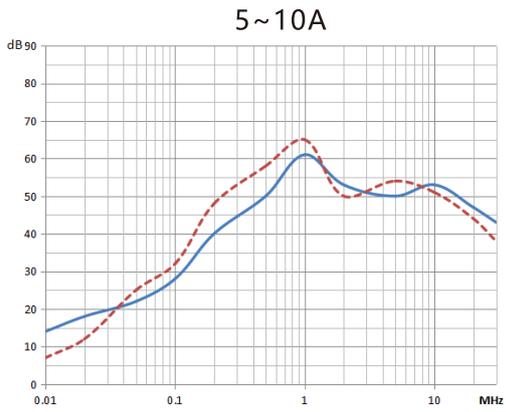
Fig. G

Fig. H

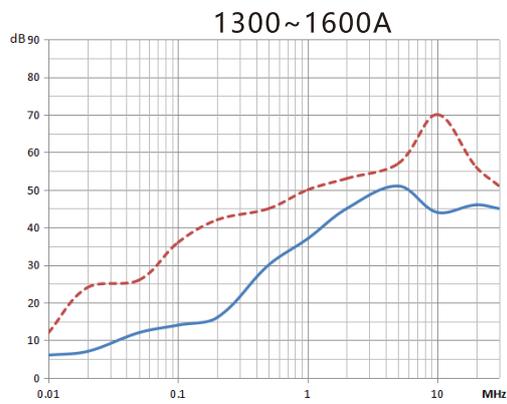
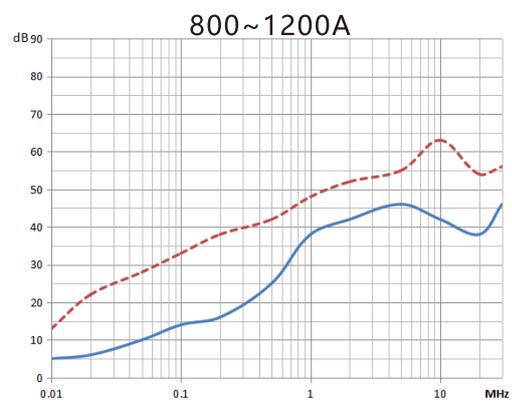
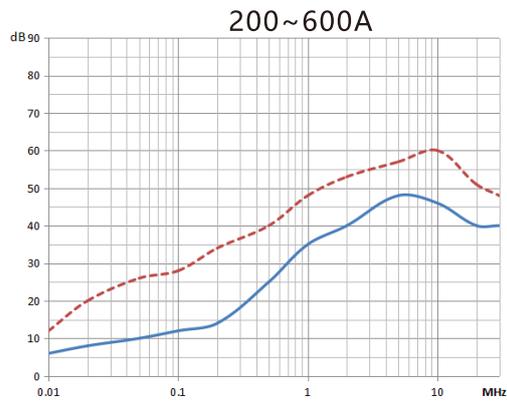
■ Selection Table

Type	Rated Current (A)	Rated Voltage (V)	Dimension Fig.	Leakage Current (mA)	Wire Range	Weight (kg)
SKS-SFT-0005/2-T	5	250	A	≤0.5	30-10AWG	0.25
SKS-SFT-0010/2-T	10	250	A	≤0.5	30-10AWG	0.25
SKS-SFT-0015/2-T	15	250	A	≤0.5	30-10AWG	0.25
SKS-SFT-0020/2-T	20	250	A	≤0.5	30-10AWG	0.25
SKS-SFT-0025/2-T	25	250	A	≤0.5	30-10AWG	0.25
SKS-SFT-0030/2-T	30	250	B	≤0.5	24-8AWG	0.25
SKS-SFT-0040/2-T	40	250	B	≤0.5	24-8AWG	0.55
SKS-SFT-0050/2-T	50	250	C	≤1.0	24-4AWG	2.5
SKS-SFT-0060/2-T	60	250	C	≤1.0	24-4AWG	2.5
SKS-SFT-0080/2-T	80	250	C	≤1.0	24-4AWG	2.5
SKS-SFT-0100/2-T	100	250	D	≤1.0	8-2AWG	3.8
SKS-SFT-0120/2-T	120	250	D	≤1.0	8-2AWG	3.8
SKS-SFT-0150/2-T	150	250	D	≤1.0	8-2AWG	3.8
SKS-SFT-0200/6-C	200	660	E	≤1.6	/	15
SKS-SFT-0300/6-C	300	660	E	≤1.6	/	15
SKS-SFT-0400/6-C	400	660	E	≤1.6	/	15
SKS-SFT-0500/6-C	500	660	F	≤1.6	/	16.5
SKS-SFT-0600/6-C	600	660	F	≤1.6	/	16.5
SKS-SFT-0800/6-C	800	660	G	≤1.6	/	20
SKS-SFT-1000/6-C	1000	660	G	≤1.6	/	20
SKS-SFT-1200/6-C	1200	660	G	≤1.6	/	20
SKS-SFT-1300/6-C	1300	660	H	≤1.6	/	24
SKS-SFT-1600/6-C	1600	660	H	≤1.6	/	24

## Insertion Loss



## Insertion Loss



Common Mode ———  
Differential Mode - - - -

\*注：插入损耗根据IEC/CISPR17，在空载50Ω—50Ω测试系统下测得，最终效果以在实际工作状态下数据为准。

Note: The insertion loss is measured by IEC/CISPR 17 under the no-load 50Ω-50Ω test system.  
The final effect is based on the actual working condition data.