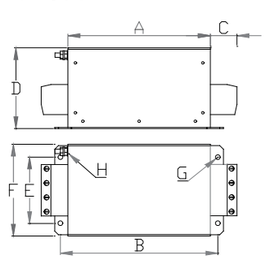
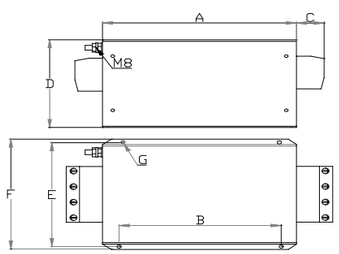
■ 滤波器选型表 (Filter Selection Table)

滤波器型号 Filter type	额定电流 Rated current @40℃ [A]	漏电流 Leakage current @230VAC/50Hz [mA]	能量损耗 Power loss @25℃/50Hz [W]	端子类型 Connector type
RFI4NC8N06	8	<1	3.2	端子 solid safety connector
RFI4NC16N06	16	<1	6.5	端子 solid safety connector
RFI4NC25N10	25	<1	11.8	端子 solid safety connector
RFI4NC36N10	36	<1	15.3	端子 solid safety connector
RFI4NC50N16	50	<1	17.4	端子 solid safety connector
RFI4NC65N16	65	<1	18.9	端子 solid safety connector
RFI4NC100N35	100	<1	23.6	端子 solid safety connector
RFI4NC130N50	130	<1	28.5	端子 solid safety connector
RFI4NC160N95	160	<1	31	端子 solid safety connector
RFI4NC200N95	200	<1	47.4	端子 solid safety connector
RFI4NC300N99	300	<1	20.3	铜排 copper bar
RFI4NC400N99	400	<1	36	铜排 copper bar
RFI4NC600N99	600	<1	64.8	铜排 copper bar

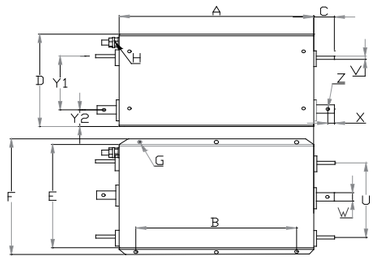
■ 产品尺寸图 (Product Size)



8A-65A



100A-200A



300A-600A

代号 Code / 电流 Current	A	B	C	D	E	F	G	H	U	V	W	X	Y1	Y2	Z
8A~16A	160	180	15.5	80	65	100	5.5	M5							
25A~36A	160	180	35	100	75	115	5.5	M5							
50A~65A	190	210	35	110	90	125	6.4	M6							
100A	230	120	38.5	125	150	163	6.4	M8							
130A	250	200	43	140	157	170	6.4	M8							
160A~200A	280	220	52	170	166	180	6.4	M8							
300A	325	240	58	150	195	220	11	M10	120	4	25	12.5	72	43	11
400A	325	240	58	150	195	220	11	M10	120	6	25	12.5	72	43	11
600A	325	240	58	150	195	220	11	M10	120	8	25	12.5	72	43	11

(单位 unit：mm)

■ 滤波器输入输出端子接线范围及扭矩选择 (Filter Input/output Connector Cross Sections)

	-N6	-N10	-N16	-N35	-N50	-N95
多股软线/mm^2 Hex wire	0.5~6	0.5~10	1~16	10~35	16~50	25~95
美标线规 AWG number	AWG8-26	AWG6-24	AWG4-20	AWG2-8	AWG6-1/0	AWG4-4/0
推荐扭矩/N.m Recommended torque	1.36	1.36	2.71	4.41	4.41	19.2

Inverters EMC Filter

单相滤波器 1-phase filter

■ 产品概述 (Product Introduction)

1.具有高衰减性能的通用滤波器
2.具有良好的共模差模滤波性能
3.广泛应用于开关电源，UPS，变频逆变等场合
4.超过50A一定要确保接地良好，否则有电击危险
5.医用型的滤波器后缀为A

1.General purpose EMI filter with high attenuation performance
2.High common-modeand differential-mode attenuation
3.Widely used in switching power , UPS, inverter, etc.
4.Exceed 50A must ensure that the ground is good, otherwise there is a risk of electric shock
5.Medical type filter suffix for A

■ 技术参数 (Technical Data)

额定电压：250 VAC
工作频率：0~60Hz
额定电流：3A~200A
高压试验：P/N-E 2000VAC/2sec θP-N 1100VDC/2sec
温度范围：-25℃~85℃（25/85/21）
设计依据：IEC/EN 60939
典型滤波频率：150kHz~30MHz

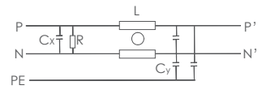
Rated voltage：250 VAC
Operating frequency：0~60Hz
Rated current：3A~200A
High potential test voltage：OP/N-E 2000VAC/2sec 0P-N 1100VDC/2sec
Temperature range：-25℃~85℃（25/85/21）
Design corresponding to：IEC/EN 60939
Typical work frequency：150kHz~30MHz

■ 典型应用 (Typical Applications)

1.电气和电子设备
2.消费品
3.家庭设备
4.电子数据处理设备
5.办公自动化和数据通信设备
6.电磁环境恶劣且需要高性能滤波滤波器

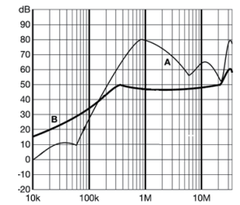
Electrical and electronic equipment
Consumer goods
Household equipment
Electronic data processing equipment
Office automation and datacom equipment
Various noisy applications requiring high filter performance

典型电路图
typical electrical schematic

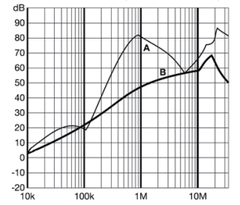


■ 输入滤波器插入损耗 (Input Filter Attenuation)

(单位 unit：dB)



3A~20A



30A~200A

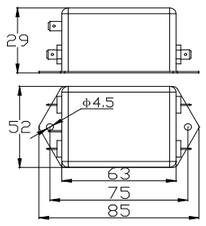
A:50N/50Ω sym，B:50N/50Ω asym

■ 滤波器选型表 (Filter Selection Table)

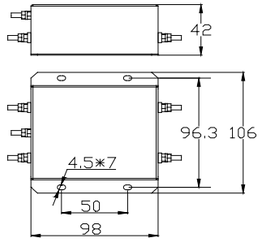
滤波器型号 Filter type		额定电流 Rated current @40℃ [A]	漏电流 Leakage current @230VAC/50Hz [mA]		能量损耗 Power loss @25℃/50Hz [W]	端子类型 Connector type
通用型 Universal filter	医用型 Medical filter		通用型 Universal filter	医用型 Medical filter		
RFD2B3N01	RFD2B3N01A	3	0.87	0.074	2.3	
RFD2B6N01	RFD2B6N01A	6	0.87	0.074	3.2	
RFD2B10N01	RFD2B10N01A	10	0.87	0.074	3.8	
RFD2B16N01	RFD2B16N01A	16	0.87	0.074	4.7	
RFD2B20N01	RFD2B20N01A	20	0.87	0.074	5.6	
RFD2B30N05	RFD2B30N05A	30	0.87	0.074	8.5	
RFD2B50N05	RFD2B50N05A	50	1.75	0.074	13.3	
RFD2B100N05	RFD2B100N05A	100	1.75	0.074	30.2	
RFD2B200N05	RFD2B200N05A	200	3.5	0.074	46.9	

■ 产品尺寸图 (Product Size)

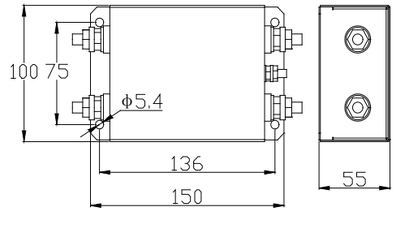
(单位 unit：mm)



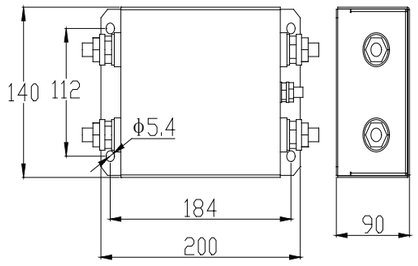
3A~20A



30A



50A



100A-200A

■ 成品识别码 (Product Identification Code)

RFD	2B	10	N05
单相滤波器 1 phase Filter	2:Working Voltage 2=220V B:Second-order filtering	额定电流 Rated Current 10A-2500A	接线方式 Connection mode

线噪声滤波器（RF) Line noise filter

■ 产品概述 (Product Introduction)

有效抑制伺服放大器电源侧或输出侧产生的无线电干扰，也可抑制高频漏电流（零相电流）。在0.5MHz-5MHz范围尤其有效。

Effectively suppress radio interference generated on power supply side or output side of the servo amplifier, and also suppress high-frequency leakage current (zero phase current). Especially effective in the range of 0.5MHz-5MHz.

■ 技术规格 (Technical Specifications)

品名 Product Name	尺寸 Size (±1mm)						Ae (mm2)	Lm (mm2)	重量	Picture	AL (uH/N² ±35%)	
	A		B		C	D	TYP	TYP	TYP		10KHZ	100KHZ
RF-BFS01	65	15	42	50	18.3	6.5*11	121	78.1	60	Picture A	13.8~23.1	18.5
RF-BFS02	65	20	47	50	22	6.5*11	175	91.7	98.4		16.1~26.8	21.5
RF-BFS03	80	19	57	65	30	6.5*11	186	120	140		17.0~28.4	17.4
RF-BFS04	110	25	70	95	38	6.5*11	305	152	280		13.1~24.3	22.7
RF-BFS05	135	20	88	115	40	6.5*11	384	174	425		12.4~20.8	16.6
RF-BFS06	170	18	115	155	65	6.5*11	371	260	400		8.5~14.1	11.3

品名 Product Name	尺寸 Size (±1mm)							Ae (mm2)	Lm (mm2)	重量	Picture	AL (uH/N² ±35%)	
	A		B		C	D	E	TYP	TYP	TYP		10KHZ	100KHZ
RF-BFL01	50	25.5	44.3	40	22.2	25	8.4	5*5	212	89	115	Picture B	4.5~7.5	6.0
RF-BFL02	160	25.4	106.6	140	50.8	114.2	63.4	6.5*11	645	308	1200		3.8~6.3	5.0
RF-BFL03	180	30	85	160	37	130	86	6.5*11	647	314	1450		3.6~6.0	4.8
RF-BFL04	220	40	125	190	59	160	101	8.5*14	1200	421	3100		5.2~8.6	6.9
RF-BFL05	250	39	145	220	60	190	113.2	8.5*14	1548	497	4200		5.3~8.8	7.0
RF-BFL06	310	40	166	280	78	240	160	8.5*14	1577	597	5000		4.4~7.3	5.8

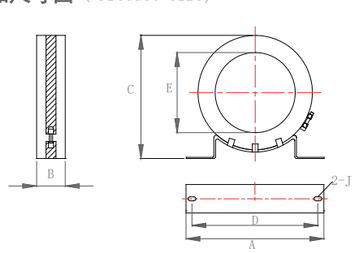
备注：本产品符合UL94V-0认定的数值（耐热温度130℃），本产品不含有臭氧层破坏物质ODC，在制造过程中也没有使用臭氧层破坏物质ODC

This product meets the UL94V-0 certification value (heat-resistant temperature of 130 ℃), This product does not contain ozone depleting substances (ODCs), and no ODCs were used during the manufacturing process

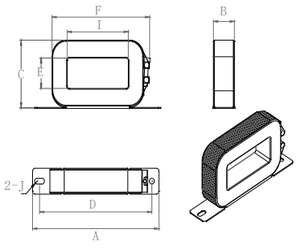
Ae：有效截面积，Lm：平均磁路长

Ae: effective cross-sectional area, Lm: average magnetic path length

■ 产品尺寸图 (Product Size)



Picture A



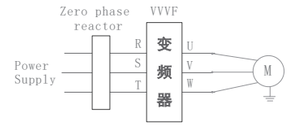
Picture B

■ 成品识别码 (Product Identification Code)

RF	BFL	01
零相电抗器 Zero phase reactor	产品规格 Product specifications BFS:O型 BFL:U型	料号 NO

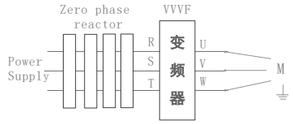
典型电路图

(Typical circuit diagram)



注）将电源线在零相电抗器处卷成4匝以上在输出端也需要同样适用。

Note)Roll the power cord into more than 4 turns at the zero phase reactor It also needs to be applicable at the output end.



注）请不卷直接贯通使用。（4个以上）

根据所使用的电缆的种类、尺寸不同，存在无法使用的场合。

Note) Please use without rolling directly. (4 or more)

400V and above 200KW models, please use RF-BFL series

Depending on the type and size of cable used, there may be situations where it cannot be used.