



## 690V变频器专用滤波器 special filter for 690V inverter

### 产品概述 (Product Introduction)

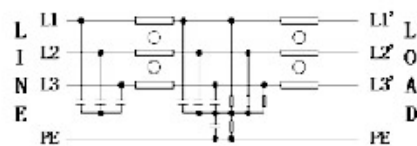
- 1.降低变频器对电网的传导干扰
  - 2.提高整个系统可靠性
  - 3.100A以下使用端子,200A以上使用铜排接头
  - 4.低泄露电流,缺相最大漏电流为13.12mA(P型除外)
- 1.Reducing the conducted emission from inverter to power network.
  - 2.Improve the reliability of the whole system.
  - 3.less than 100A filters, using solid safely connector, more than 200A filters, using copper bar
  - 4.Low leakage current,Lack of a phase, The maximum leakage current is 13.12mA (except P type).

### 技术参数 (Technical Data)

- 1.额定电压: 690/380 VAC
  - 2.工作频率: 50Hz
  - 3.额定电流: 120A~1000A
  - 3.高压试验: P-E 2850VDC/60sec P-P 2850VDC/60sec
  - 4.温度范围: -25℃~100℃ (25/100/21)
  - 5.设计依据: IEC/EN 60939
  - 6.典型滤波频率: 150kHz~30MHz
- 1.Rated voltage: 690/380 VAC
  - 2.Rated frequency: 50Hz
  - 3.Rated current: 120A~1000A
  - 3.High potential test voltage: P-E 2850VDC/60sec P-P 2850VDC/60sec
  - 4.Temperature range: -25℃~100℃ (25/100/21)
  - 5.Design corresponding to: IEC/EN 60939
  - 6.Typical work frequency: 150kHz~30MHz

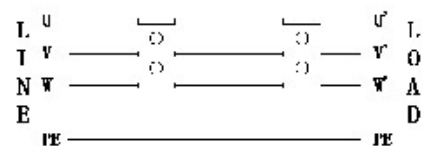
### 输入滤波器典型电路图

(Typical electrical schematic of input filter)



### 输出滤波器典型电路图

(Typical electrical schematic of output filter)

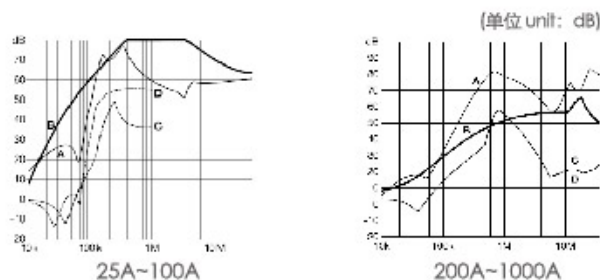


### 典型应用 (Typical Applications)

该系列滤波器主要应用于690V变频器,以及其他690V系统。P系列用于过证测试使用,不可以用于矿井下,否则可能会导致漏电保护器跳闸。

The series filter is mainly used in 690V inverter, and other 690V system. The P series is used to conducted emission test, can not be used in the mine, otherwise may cause the electric leakage protector to trip.

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



A:50N/50Ω sym, B:50N/50Ω asym, C: 0.1Ω/100Ω sym D:100N/0.1Ω sym

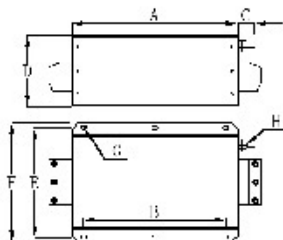
## ■ 滤波器选型表 (Filter Selection Table)

过证用输入滤波器最后加P, 如输入25A型号为RFI6B25N10P)

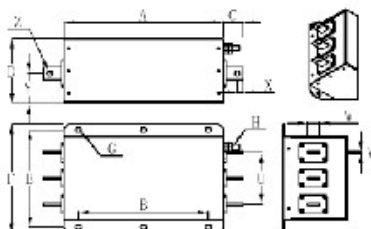
Conducted emission test input filter with the final plus P, such as the input 25A model for RFI6B25N10P

适配变频器参数 Adapter inverter parameter		滤波器型号 Filter type		额定电流 Rated current	端子代码 Connector code
功率 Drive power rating	额定电压 Rated voltage	输入滤波器 Input filter	输出滤波器 Output filter		
18.5kW	660-690VAC	RFI6C25N10	RFO6C25N10	25A	-N10
37kW	660-690VAC	RFI6C50N35	RFO6C50N35	50A	-N35
55kW	660-690VAC	RFI6C80N35	RFO6C80N35	80A	-N35
75kW	660-690VAC	RFI6C100N35	RFO6C100N35	100A	-N35
132kW	660-690VAC	RFI6C200N99	RFO6C200N99	200A	
150kW	660-690VAC	RFI6C200N99	RFO6C200N99		
185kW	660-690VAC	RFI6C250N99	RFO6C250N99	250A	
200kW	660-690VAC	RFI6C250N99	RFO6C250N99		
250kW	660-690VAC	RFI6C350N99	RFO6C350N99	350A	
315kW	660-690VAC	RFI6C400N99	RFO6C400N99	400A	
400kW	660-690VAC	RFI6C550N99	RFO6C550N99	550A	
500kW	660-690VAC	RFI6C650N99	RFO6C650N99	650A	
630kW	660-690VAC	RFI6C800N99	RFO6C800N99	800A	
715kW	660-690VAC	RFI6C900N99	RFO6C900N99	900A	
800kW	660-690VAC	RFI6C1000N99	RFO6C1000N99	1000A	

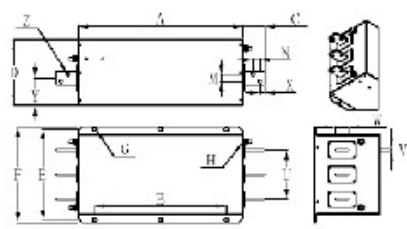
## ■ 产品尺寸图 (Product Size)



25A~100A



20A~550A



650A~1000A

代号 Code 电流 Current	A	B	C	D	E	F	G	H	M	N	U	V	W	X	Y	Z
25A	180	120	35	100	155	168	6X9	M8								
50A~100A	280	240	39	120	185	200	6X9	M8								
200A~250A	320	260	40	130	195	220	8.5X14	M8			104	4	25	12.5	60	10.5
350A~550A	420	340	45	170	248	270	11X18	M10			140	8	40	12.5	75	10.5
650A~1000A	600	480	80	240	330	350	11X18	M10	26	26	180	8	50	17	100	12.5

(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 <sup>2</sup> 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