

YB11A4-3A-Q 110V/250V Plug In EMI Filter IEC Inlet Filter For Medical Appliance



Product Description

EMI Filter Specification:

Item	Emi Power Filter
Model	Emi Power Filter YB-A
Transfer Function	Low Pass
Package Type	Surface Mount
Nominal Center Frequency	10K-30MHZ
Insertion Loss	60~90dB
Input Impedance	50Ω
Rated Voltage	125VAC 250VAC
Rated Current	1A 3A 6A 10A
Environmental Temperature	40°C
Temperature Range	25 / 085 / 21
Operating Frequency	50/60HZ

Line to Line	1450VDC
Line to Ground	2250VDC
Maximum Leakage Current	115VAC/50HZ 0.3uA Max
MOQ	500pcs
Price	USD1~2/Meter
Lead Time	5~15 weekday

Features:

1. Excellent performance/compact structure
2. Optional medical versions((R5) type)
3. Quick connect(6.35*0.8mm),solder or wire
4. High performance and high attenuation power filters with IEC 320 socket
5. (R5) types comply with the requirements of IEC/EN60601-1 for safety clearance, leakage current and high hipot testing.
6. There are a variety of parts and combinations to meet different customer's EMC tests.

Typical Applications:

- Specially designed for LCD and PDP TV,medical applications,general electrical appliances.
- Medical equipment
- Test and measurement equipment

-- Small and medium-sized machines and household equipment

Rule of Nomination of IEC Inlet Fiter

YB	11	A4	-	10A	-	Q
Single Phase	Circuit	Dimension		Current		Output Connection
	11:11 circuit	A4		6A : 6 amp		Q:fast-on tab 250
				8A : 8 amp		W:wire
				10A :10 amp		S:Solder Lug Terminals



*Q: Fast-on 6.35x0.8mm



S: solder 4.0x0.8mm



W: UL1015 18awg

Filter Selection Table:

Part No.	Case	Rated Currents (A)	Output Connections
YB11A4	A4	1	Fast-on terminal
YB11A4	A4	3	
YB11A4	A4	6	Wire
YB11A4	A4	8	
YB11A4	A4	10	Solder Lug Terminals

Tabulates:

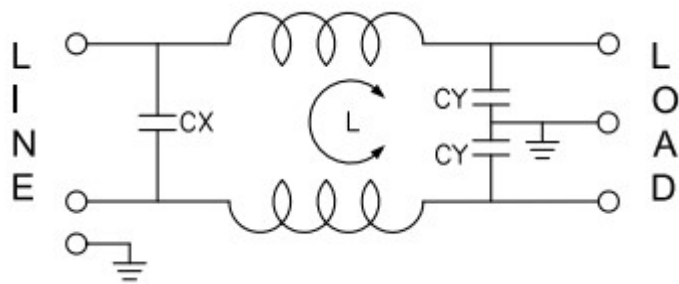
Model No.	Rated Current @40°C	Terminal Options*	Bleeder resistor (optional)	G	Leakage current 250V/50Hz	Electrical Schematic	Rated Voltage(V)	Operating Frequency(Hz)

YB11A3-1A	1A	Q	S	W	-	-	<0.8mA	Fig.1	115/250V	50/60Hz
YB11A3-2A	2A	Q	S	W	-	-		Fig.1		
YB11A3-3A	3A	Q	S	W	-	-		Fig.1		
YB11A3-4A	4A	Q	S	W	-	-		Fig.1		
YB11A3-6A	6A	Q	S	W	-	-		Fig.1		
YB11A3-8A	8A	Q	S	W	-	-		Fig.1		
YB11A3-10A	10A	Q	S	W	-	-		Fig.1		
YB11A3-15A	15A	Q	S	W	-	-		Fig.1		
YB11A4-1A	1A	Q	S	W	-	-		Fig.1		
YB11A4-2A	2A	Q	S	W	-	-		Fig.1		
YB11A4-3A	3A	Q	S	W	-	-		Fig.1		
YB11A4-4A	4A	Q	S	W	-	-		Fig.1		
YB11A4-6A	6A	Q	S	W	-	-		Fig.1		
YB11A4-8A	8A	Q	S	W	-	-		Fig.1		
YB11A4-10A	10A	Q	S	W	-	-		Fig.1		
YB11A4-15A	15A	Q	S	W	-	-		Fig.1		

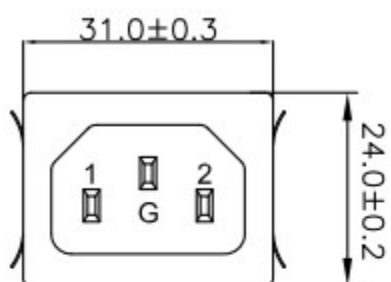
Medical Type Tabulates:

Model No.	Rated Current @40°C	Terminal Options	Bleeder resistor](optional)	Medical equipment	Leakage current G250V/50Hz	Electrical Schematic	Rated Voltage(V)	Operating Frequency(Hz)
YB11A3-1A-x(R5)	1A	Q S W	1	5	-	Fig.2	115/250V	50/60Hz
YB11A3-2A-x(R5)	2A	Q S W	1	5	-	Fig.2		
YB11A3-3A-x(R5)	3A	Q S W	1	5	-	Fig.2		
YB11A3-4A-x(R5)	4A	Q S W	1	5	-	Fig.2		
YB11A3-6A-x(R5)	6A	Q S W	1	5	-	Fig.2		
YB11A3-8A-x(R5)	8A	Q S W	1	5	-	Fig.2		
YB11A3-10A-x(R5)	10A	Q S W	1	5	-	Fig.2		
YB11A3-15A-X(R5)	15A	Q S W	1	5	-	Fig.2		
YB11A4-1A-x(R5)	1A	Q S W	1	5	-	Fig.2		
YB11A4-2A-x(R5)	2A	Q S W	1	5	-	Fig.2		
YB11A4-3A-x(R5)	3A	Q S W	1	5	-	Fig.2		
YB11A4-4A-x(R5)	4A	Q S W	1	5	-	Fig.2		
YB11A4-6A-x(R5)	6A	Q S W	1	5	-	Fig.2		
YB11A4-8A-x(R5)	8A	Q S W	1	5	-	Fig.2		
YB11A4-10A-x(R5)	10A	Q S W	1	5	-	Fig.2		
YB11A4-15A-X(R5)	15A	Q S W	1	5	-	Fig.2		

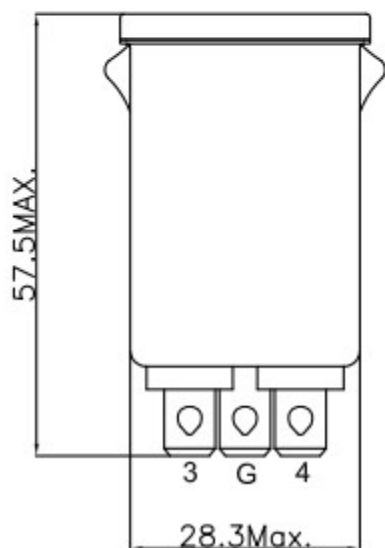
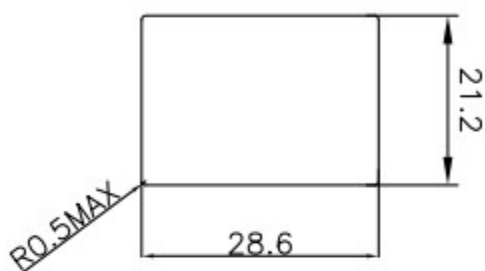
Electrical Schematic:



Mechanical Dimension(Unit: mm)



SUGGESTED PANEL CUTOUT
(MOUNTING FROM FRONT)
THICKNESS OF PANEL IS
FROM 0.8mm TO 1.2mm



Case	A	B	C	D	E	F	G	H	I	J	K	
A3	56	28.5	21	31	24		12.7	11.8	13.5	3.2	6.3*0.8	
A4	56	28.5	21	31	24		12.7	11.8	13.5	3.2	6.3*0.8	

Tolerances	±1	±1	±1	±1	±0.15	±1	±0.5	±0.5	±0.5	±1	±0.15	
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Insertion loss table(In 50ohm system according IEC/CISPR No.17)

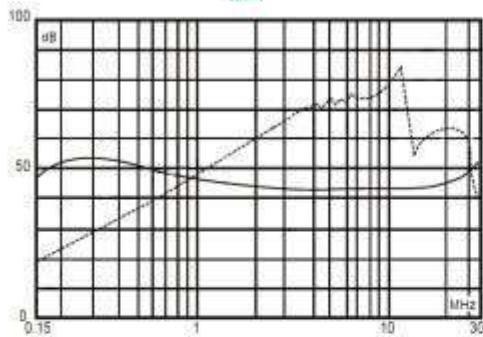
Insertion Loss

(In 50ohm system according IEC/CISPR No.17)

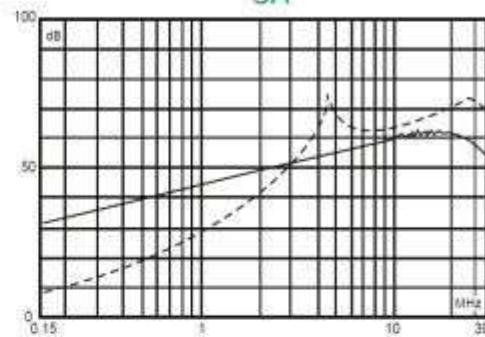
———— Common mode

----- Different mode

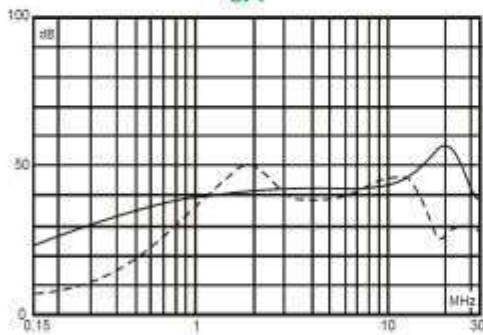
1A



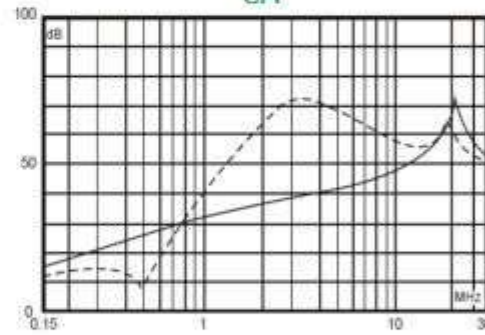
3A



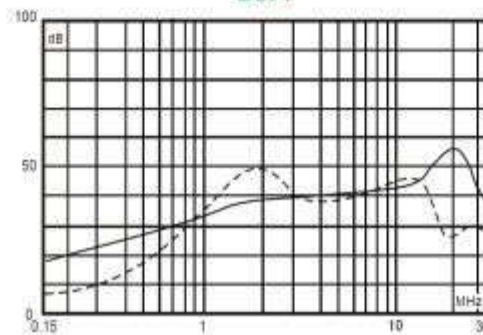
6A



8A



10A



Measuring Equipment

Before production begins, we test the raw materials in our laboratory to ensure they meet our quality standards, environmental friendliness and safety. Salt spray tester, constant temperature and humidity tester, and pressure tester are some of the testing equipment we use to ensure the quality of our EMI filters from the source.

Measuring Equipment



EMC tester



Intelligent battery tester



EFT surge tester



Hi-pot tester



Salt spray tester



Constant temperature and humidity testing machine



Leakage marking test machine