

DLB型 船用滤波器 Marine filter

▶ 概述

Overview

船用滤波器是为了改善电源品质所设计开发的高性能宽频滤波器。具有安装灵活简便、使用维护方便和防护等级高等优点。

Marine filter is a high-performance broadband filter, which is designed to improve the quality of power. It has the advantages of flexible and simple installation, easy maintenance and high protection grade and so on.



▶ 产品特点

Product features

- 功率大，电流可达250A。

High power, current up to 250A

- 适用于单相、三相三线制、三相四线制供电电源应用场合。

Suitable for single-phase, three-phase three-wire, three-phase four-wire power supply applications.

- 铠装、金属外壳，屏蔽防护性好。

Armoured and metal case of good shielding

- 0.01MHz~300MHz超宽频率范围具有较好的插入损耗。

0.01MHz~300MHz ultra wide frequency range, with good insertion loss

- 良好的插入损耗特性，能在恶劣环境下工作。

With good insertion loss characteristics, be able to work in harsh environment

- 可按不同的插入损耗、工作电流、电压、结构尺寸实现高端定制。

High-end customization according to different insertion loss, working current, voltage and structural sizes.

▶ 技术指标

Technical index

- 工作频率：50Hz/60Hz

Working frequency: 50Hz/60Hz

- 防护等级：IP44

Ingress protection: IP 44

- 抑制频宽范围：0.01MHz~300MHz

Range of bandwidth through inhibition: 0.01MHz~300MHz

- 工作电流：16A、25A、40A、63A、100A、160A、250A

Working current: 16A, 25A, 40A, 63A, 100A, 160A, 250A

- 环境温度：-45 ~ +85 °C

Ambient temperature: -45 °C ~ +85 °C

■ 插入损耗IL：即IL随频率变化的特性，对电磁波干扰抑制的能力，通用特性频率特性如下：

Insertion loss IL: characteristics of IL changing with frequency, capability of electromagnetic interference suppression, and the properties of characteristic frequency are as follows:

频率 (MHz) Frequency(MHz)	0.01	0.02	0.1	0.15	1	5	10	50	100	150	300
共模插损 (db) Common mode insertion loss(db)	25	30	40	60	85	90	80	65	60	55	50
差模插损 (db) Differential mode insertion loss(db)	25	30	40	45	60	70	75	60	60	55	50

■ 绝缘电阻：对机壳的绝缘电阻冷态不小于100MΩ，热态不小于20MΩ。

Insulation resistance: the insulation resistance of the shell is not less than 100MΩ in cold state and is not less than 20MΩ in hot state.

■ 介电强度：

Dielectric strength:

线-线(L-L)之间: DC1500V

Line to line(L-L): DC1500V

线-地(L-E)之间: DC2700V

Line to ground(L-E): DC2700V

■ 工作方式为连续制。

Working mode: continuous

■ 具有电密、磁密结构。

With current density and magnetic density structure

■ 产品标准尺寸见下表：

Product standard sizes are shown in the following table:

序号 No.	型号 Models	额定电流 Rated current (A)	外形尺寸 (mm) Outline dimensions (mm)			安装尺寸 (mm) Installation dimensions(mm)		备注 Remark
			宽(A) Width	高(B) Height	深(C) Depth	宽(D) Width	高(E) Height	
1	DLB-16/3M (Q)	16A	420	210	100	300	185	Fig.1
2	DLB-25/3M (Q)	25A						
3	DLB-40/3M (Q)	40A						
4	DLB-63/3M (Q)	63A	530	250	140	370	225	
5	DLB-100/3M (Q)	100A	620	270	160	440	245	
6	DLB-160/3M (Q)	160A	800	350	180	2 (315)	330	Fig.2
7	DLB-250/3M (Q)	200A	1150	400	280	2 (450)	370	

注：额定电流≤40A的单相/三相AC220V和单相/三相AC380V滤波器的外形与安装尺寸均一致；其它型号的滤波器AC380V和AC220V电压等级的规格尺寸均一致。

Notes: As the rated current is not more than 40A, filters of single-phase/three-phase AC220V and single-phase/three-phase AC380V have the same outline and installation dimensions; For other models, filters of AC380V and AC220V have the same dimensions.

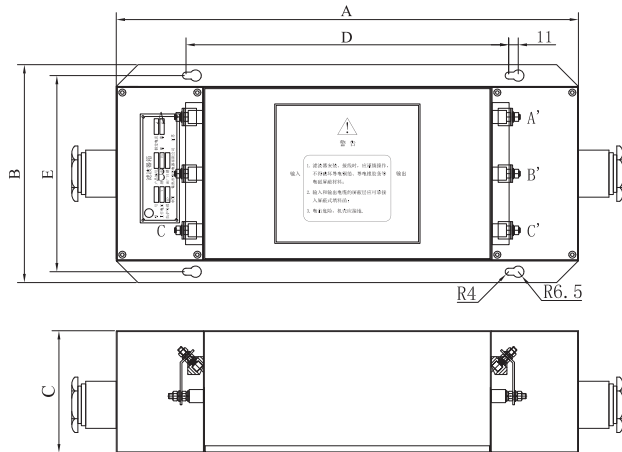


Fig.1

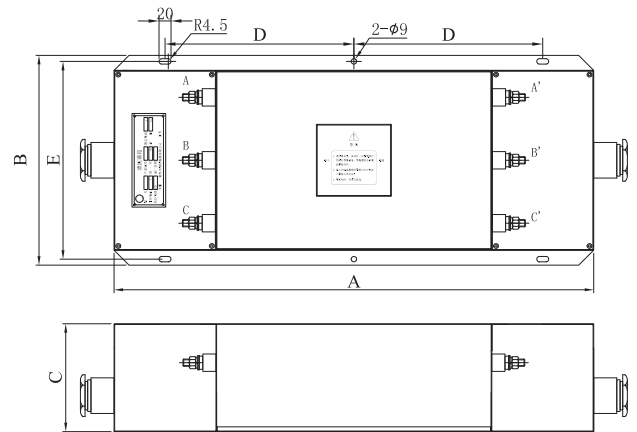


Fig.2

型号命名

Model naming

船用滤波器
Marine filter

DLB -□ /□

额定电流(A) 16、25、40、63、100、160、250
Rated current (A) 16, 26, 40, 63, 100, 160, 250

额定电压(V) 2M:单相AC220V; 3M:三相AC220V; 3Q:三相AC380V; 4Q:三相四线AC380V; 4M:三相四线AC220V
Rated voltage (V) 2M: single-phase AC220V; 3M: three-phase AC220V; 3Q: three-phase AC380V
4Q: three-phase four-wire AC380V; 4M: three-phase four-wire AC220V

选型说明

Selection description

例1: DLB-160/3M

表示船用滤波器三相三线AC220V输入, 额定电流160A。

No1. example: DLB-160/3M

It means: Marine filter of three-phase three-wire AC220V input and rated current 160A

例2: DLB-100/4Q

表示船用滤波器三相四线AC380V输入, 额定电流100A。

No2. example: DLB-100/4Q

It means: Marine filter of three-phase four-wire AC380V input and rated current 100A