

High Pass Filter

EM5013



Shenzhen Zhiyong Electronics Co., Ltd

Introduction

First of all, thank you for purchasing our products, this instruction manual is the description about the function, usage, operation attention points, etc. Before use, please read the instructions carefully and use correctly.

Manual annotation will use the following symbols to distinguish.



This symbol means it is harmful to the machine and human body; you must strictly follow the instruction manual to operate.

Warn

In the case of wrong operation, the user risk injury. The content under this mark records the relevant matters needing attention to avoid such dangers.

Notice

The user may have suffered minor injuries and material damage while with the wrong operation, to avoid such situation, note the matters needing attention.

Note

Record of important notes using the machine.

To the safely use the machine, you must abide by the following safety precautions strictly. The violation against the manual is likely to damage the protective function of the machine. In addition, the company is not responsible for any safety problem caused by the violation of matters needing attention in operation.

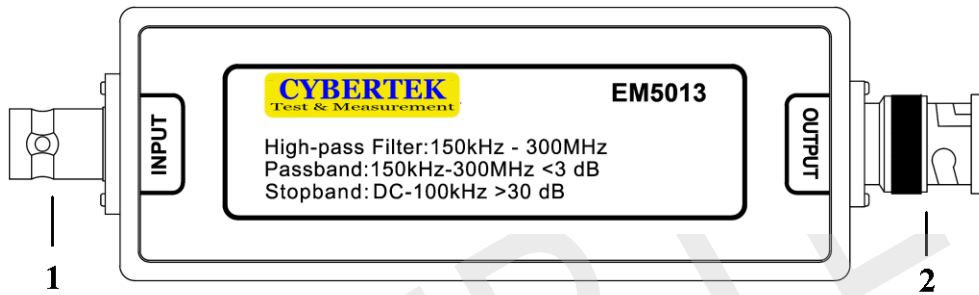


- ◆ **Must make sure the product is used in the rating voltage/ current range.**
- ◆ **Do not open the case or try to connect lines during operation.**
- ◆ **Do not use the device under humid condition or environment with explosive danger.**
- ◆ **Please keep the device surface dry and clean before operating.**
- ◆ **If there's anything wrong with the product, please contact us immediately. Do not open the case and try to repair the device to avoid unwanted accident.**

1. Summary

EM5013 is a type of LC passive 150kHz high pass filter, mainly used to filtrate the interference signal below 150kHz with strong attenuation in stopband. In the EMI testing requiring filtration of interference signal below 150kHz, 150kHz high pass filter can be apply to the front of the receiver to avoid measuring error caused by the non-linear distortion of interference signal below 150kHz.

2. Product Instruction



1 Input Port: Signal Input, BNC (Female) Port

2 Output Port: Signal Output, BNC (Male) Port

3. Electronics Specification

Bandwidth		150kHz~300MHz
Swing in channel		±3dB
Impedance		50Ω
Port	Input	BNC (Female)
	Output	BNC (Male)
Attenuation in stopband		>30dB @ ≤100kHz
Frequency response curve		Fig 1 (indoor temperature)
Operating temperature		0℃~55℃
Storage temperature		-40℃~80℃
Dimension		132*37*20mm
Weight		290g

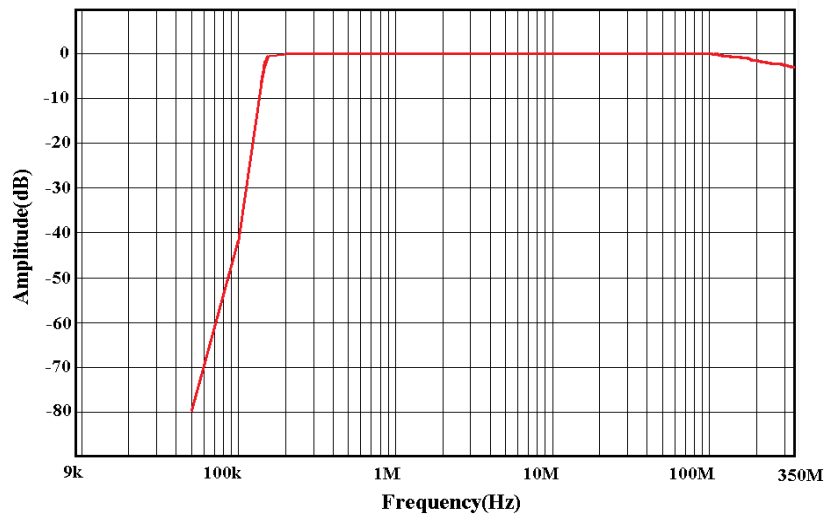


Fig 1 Frequency Response Curve

4. Packing List

Packing List	
Name	Amount
EM5013	1
Instruction manual and warranty card	1
Test report	1

CYBERTEK

SHENZHEN ZHIYONG ELECTRONICS CO., LTD.

Addr: Room A1702, Building 4, TianAn Cyber Park, HuangGe North Road, LongGang District, ShenZhen City, China

Tel: +86-400 852 0005
+86-755-86628000

Q Q: 400 852 0005

Fax: +86-755-86620008

Email: cybertek@cybertek.cn

URL: <http://www.cybertek.cn>

© Zhiyong Electronics, 2018

Published in China, Aug. 1, 2018