

Differential mode filter

FEATURES



- Compact size
- Good temperature characteristic
- Effective anti-interference
- With enclosure, high reliability

The filter is suitable for applications that are sensitive to noise, such as analog circuits ,the EMC level can be significantly improved by adding a product to the input of the power module.

Selection Guide

Model	Inductance (μH)(typ)	Current (A)	DCR(mΩ) (max)	Weight (g) (typ)	Size(mm) (L*W*H)
FD2D-60-431	430	6	130	47.0	31.7 x 31.7 x 18.0

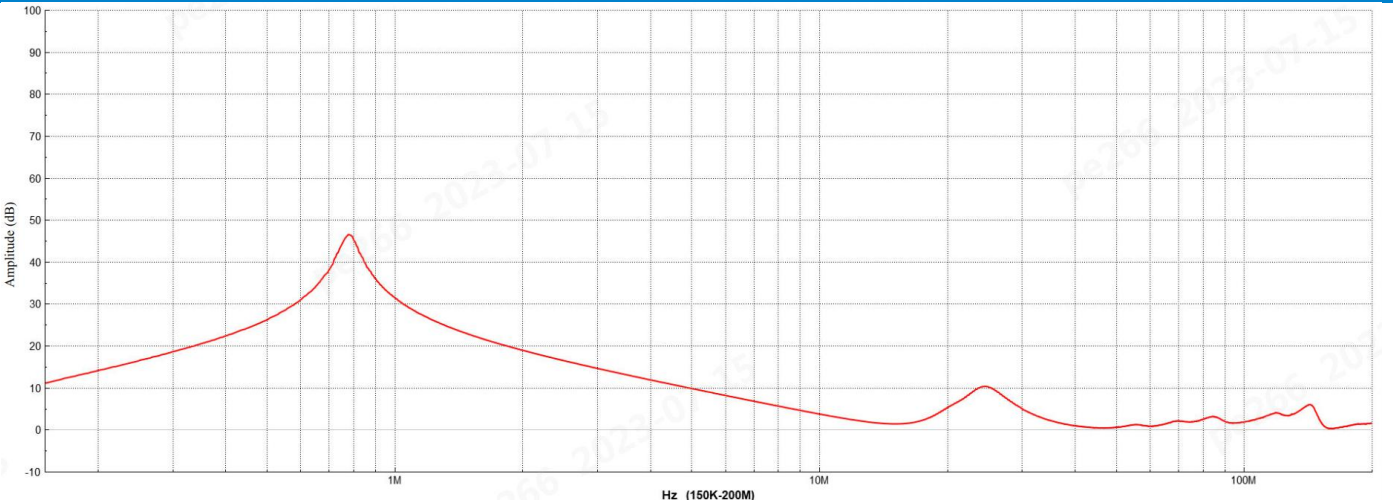
Note: The inductance values above were tested at room temperature 25℃.

General Specifications

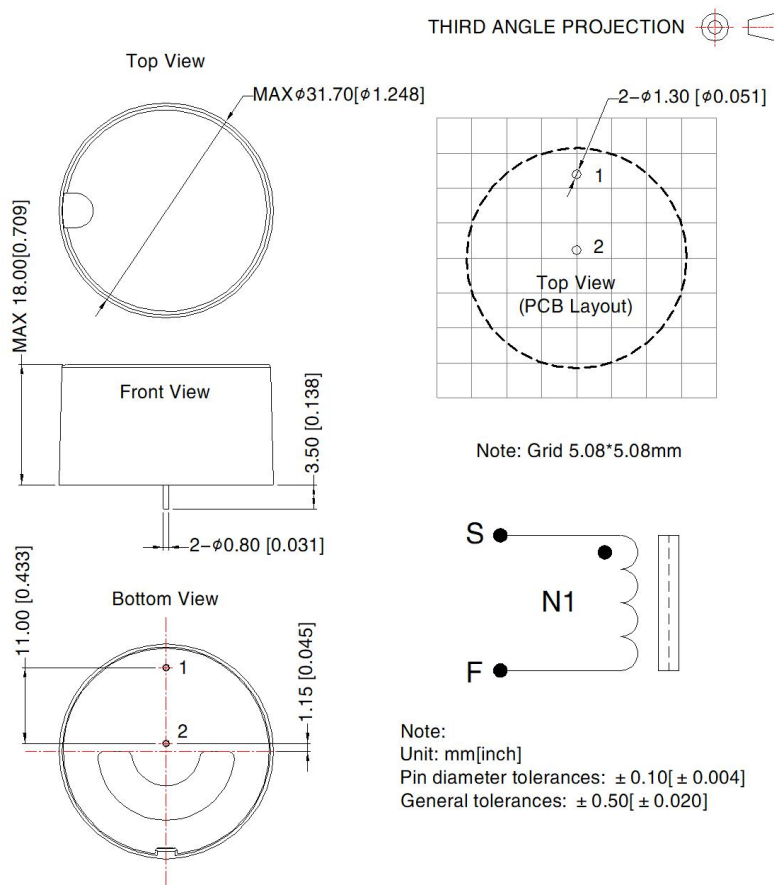
Item	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature*		-40	--	+125	℃
Storage Temperature		-10	--	+40	
Environment Temperature		-40	--	+105	
Welding Temperature	Wave soldering welding,10 seconds MAX	+255	+260	+265	
Storage Humidity	Non-condensing	+30	--	+80	%
Inductance	f=10KHz, U=0.1V	-18	--	+18	%

Note: \*Operating Temperature range includes inductor self heating.

FD2D-60-431 Differential mode insertion loss curve (reference value)



## FD2D-60-431 Appearance Dimensions



Note:

1. For additional information on Product Packaging please refer to [www.mornsun-power.com](http://www.mornsun-power.com). Packaging bag number: 58200055
2. Unless otherwise specified, data in this data sheet should be tested under the conditions of  $T_a=25^{\circ}\text{C}$ , humidity<75%RH;
3. All index testing methods in this datasheet are based on company corporate standards;
4. The performance indexes of the product models listed in this manual are as above, but some indexes of non-standard model products will exceed the above-mentioned requirements, and please directly contact our technicians for specific information;
5. We can provide product customization service, please contact our technicians directly for specific information;
6. Products are related to laws and regulations: see "Features" ;
7. Our products shall be classified according to ISO14001 and related environmental laws and regulations, and shall be handled by qualified units.

## Mornsun Guangzhou Science &amp; Technology Co., Ltd.

Address: No. 8 Nanyun 4th Road, Huangpu District, Guangzhou, China

Tel: 86-20-38601850

Fax: 86-20-38601272

E-mail: [info@mornsun.cn](mailto:info@mornsun.cn)

[www.mornsun-power.com](http://www.mornsun-power.com)