

Common Mode Filter



RoHS



FEATURES

- High reliability
- Ultra working current
- Excellent isolation voltage
- Effective anti-interference
- Good temperature characteristic (-40°C~+105°C)

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

Selection Guide

Model	Inductance (mH)(min)	Inductance (mH)(typ)	Current (A)(max)	DCR(mΩ) (max)	Weight (g) (typ)	Size(mm) (L x W x H)
FL2D-B5-131	84.5*2	130*2	25	2*2	32	31.5 x 31.5 x 18.5 See Figure1
FL2D-C5-301	195*2	300*2	35	2*2	46	35.0 x35.0 x 20.5 See Figure2
FL2D-C5-142	910*2	1400*2	35	5*2	100	46.0 x 46.0 x26.0 See Figure3
FL2D-D0-201	130*2	200*2	40	1.5*2	73.4	45.0 x 45.0 x24.0 See Figure4
FL2D-D0-561	364*2	560*2	40	2*2	90	45.5x 45.5 x 24.0 See Figure5

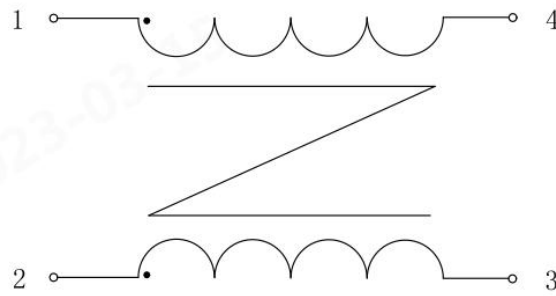
General Specifications

Item	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature *		-40	--	+105	°C
Storage Temperature		-40	--	+105	
Storage Humidity	Non-condensing	--	--	95	%
Inductance Error Range	fo=10KHz, Uo=0.1V,T=25°C	--	35	--	%
Isolation Voltage (COIL-COIL)	Electric strength test for 1 minute with a leakage current of 1mA max	--	--	3000	VDC
Vibration		10~55Hz, 10g, X,Y,Z direction ,2mm			
Warranty	Ambient temperature: <40°C	3 years			

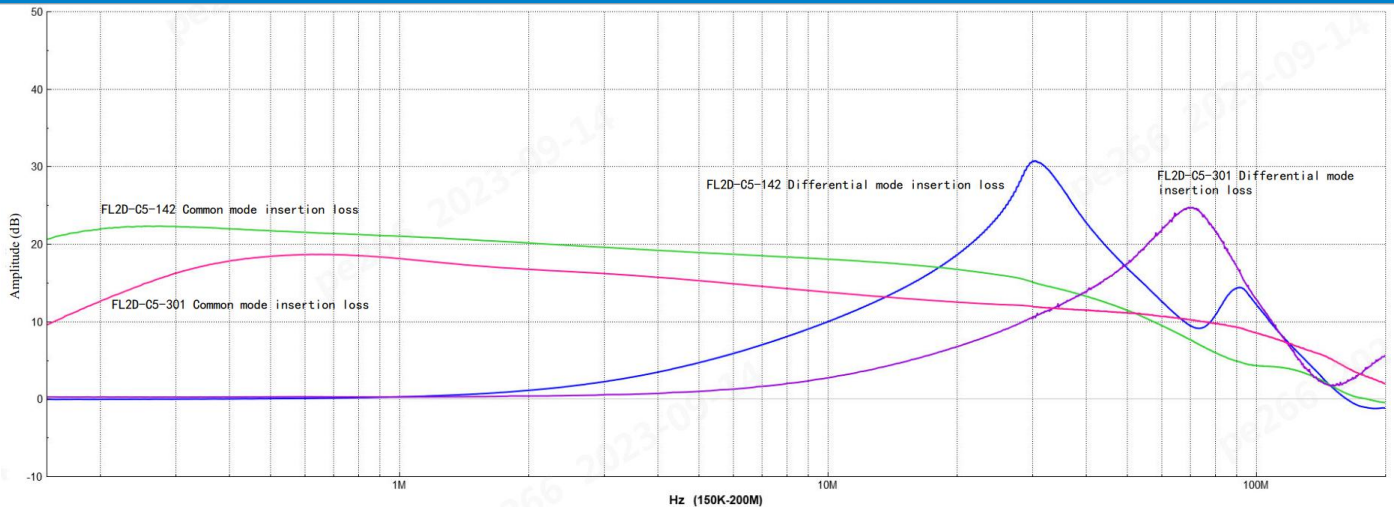
Note: *1.Operating Temperature range includes inductor self heating.

2.The dispensing advice added fixed when using this product.

Schematic Diagram Of Pin Mark



Insertion Loss Specifications (reference value)



FL2D-B5-131 Schematic Diagram Of Pin Mark

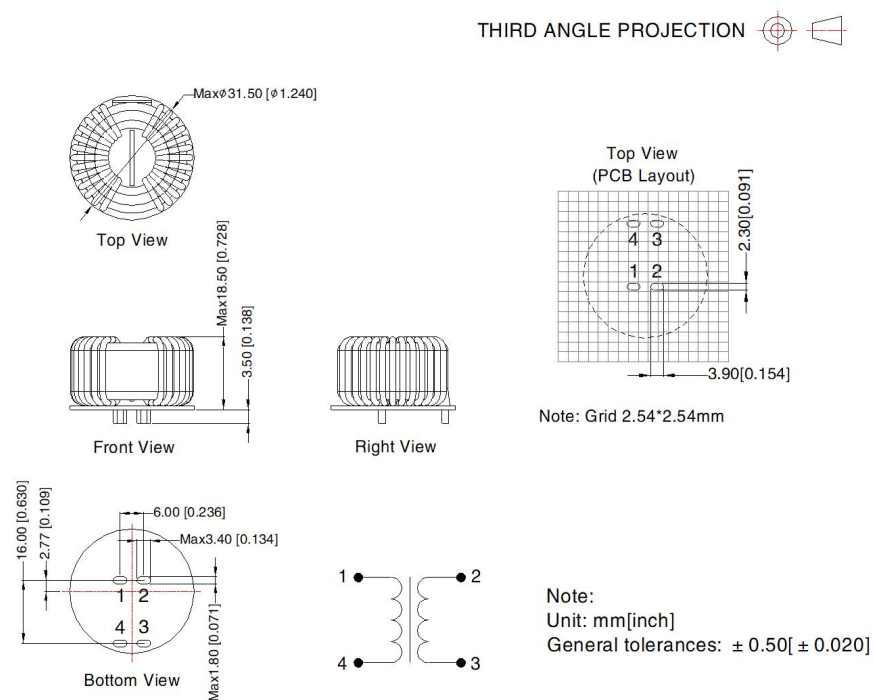



Fig. 1

FL2D-C5-301 Schematic Diagram Of Pin Mark

THIRD ANGLE PROJECTION 

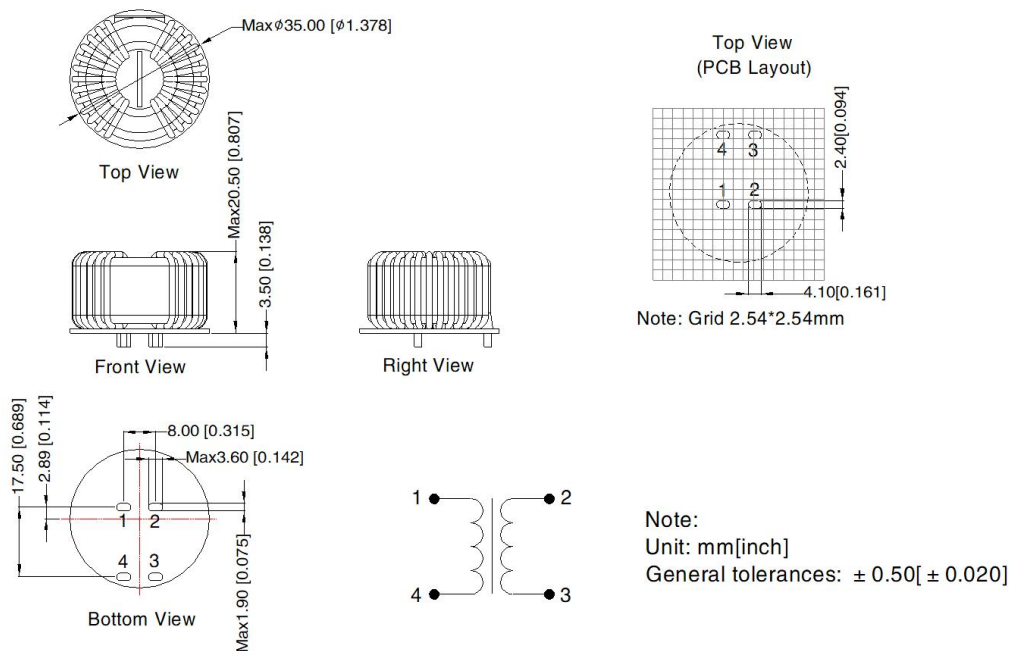



Fig. 2

FL2D-C5-142 Schematic Diagram Of Pin Mark

THIRD ANGLE PROJECTION 

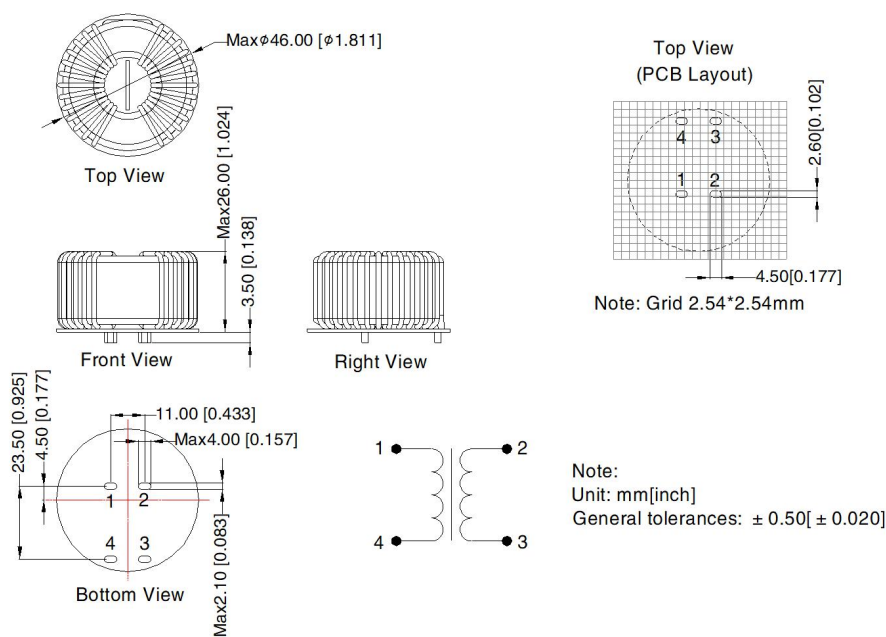


Fig. 3

FL2D-D0-201 Schematic Diagram Of Pin Mark

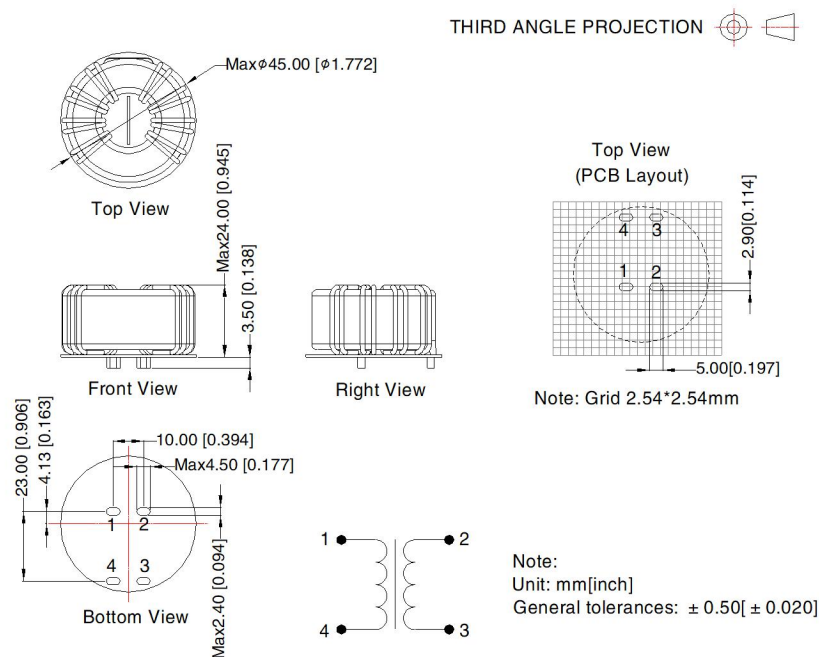


Fig. 4

FL2D-D0-561 Schematic Diagram Of Pin Mark

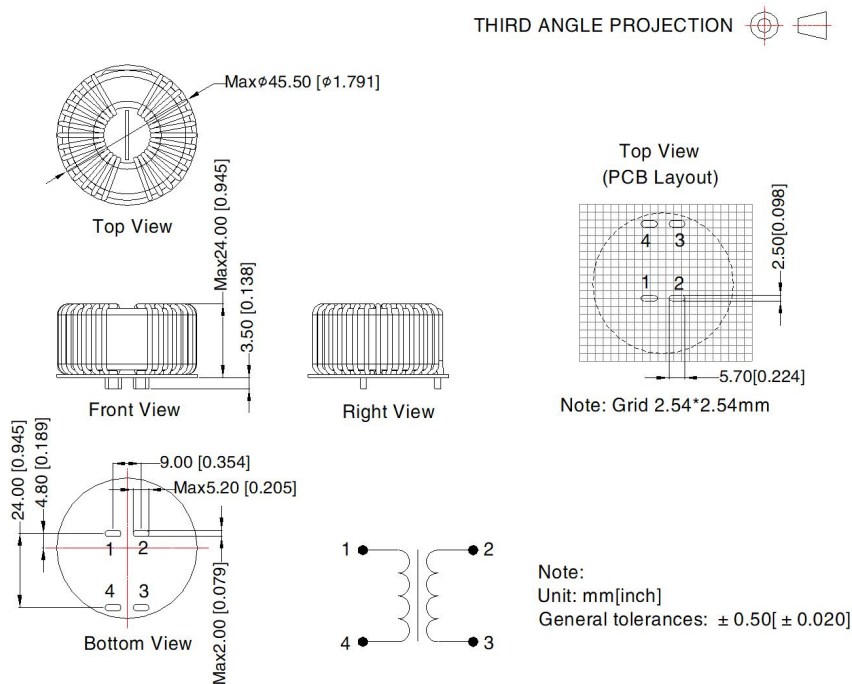


Fig. 5

Note:

1. For additional information on Product Packaging please refer to www.mornsun-power.com. Packaging bag number: 58240100 (FL2D-B5-131) ; 58210367 (FL2D-C5-301) ; 58210369 (FL2D-C5-142、FL2D-D0-201、FL2D-D0-561)
2. Unless otherwise specified, data in this data sheet should be tested under the conditions of Ta=25°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.

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