

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

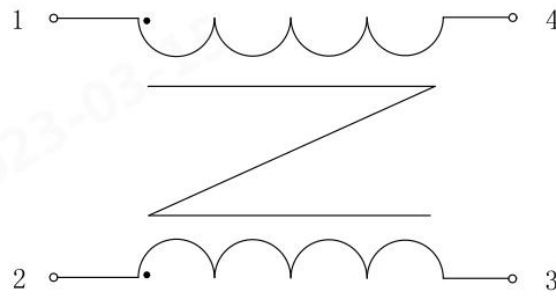
Model	Inductance (mH)(min)	Inductance (mH)(typ)	Current (A)(max)	DCR(mΩ) (max)	Weight (g) (typ)	Size(mm) (L x W x H)
FL2D-B5-131	84.5*2	130*2	25	2*2	32	31.50 x 31.50 x 18.50 See Figure 1
FL2D-C5-301	195*2	300*2	35	2*2	46	35.00 x 35.00 x 20.50 See Figure 2
FL2D-C5-142	910*2	1400*2	35	5*2	100	46.00 x 46.00 x 26.00 See Figure 3
FL2D-D0-201	130*2	200*2	40	1.5*2	73	45.00 x 45.00 x 24.00 See Figure 4
FL2D-D0-561	364*2	560*2	40	2*2	90	45.50 x 45.50 x 24.00 See Figure 5
FL2D-D0-102	650*2	1000*2	40	2*2	107	47.00 x 47.00 x 27.00 See Figure 6
FL2D-D0-152	975*2	1500*2	40	2*2	161	52.00 x 52.00 x 31.00 See Figure 7
FL2D-F5-301	195*2	300*2	65	1*2	150	53.00 x 32.00 x 47.00 See Figure 8

General Specifications

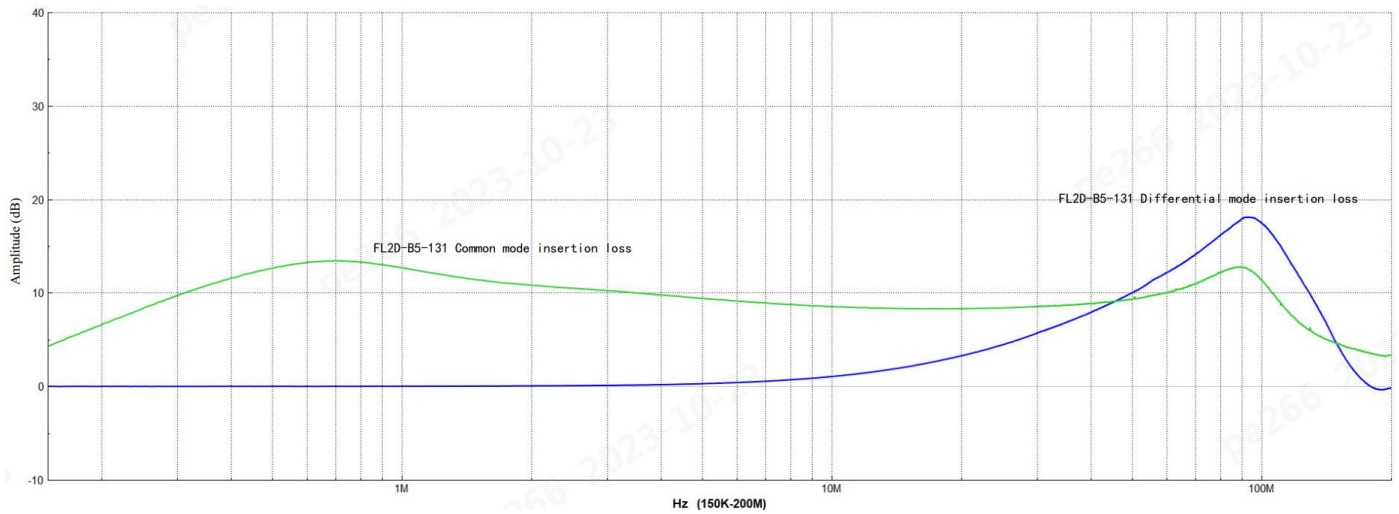
Item	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature *		-40	--	+105	°C
Storage Temperature		-40	--	+105	
Storage Humidity	Non-condensing	--	--	95	%
Inductance Error Range	fo=10KHz, Uo=0.1V,T=25°C	--	35	--	%
Isolation Voltage (COIL-COIL)	Electric strength test for 1 minute with a leakage current 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.

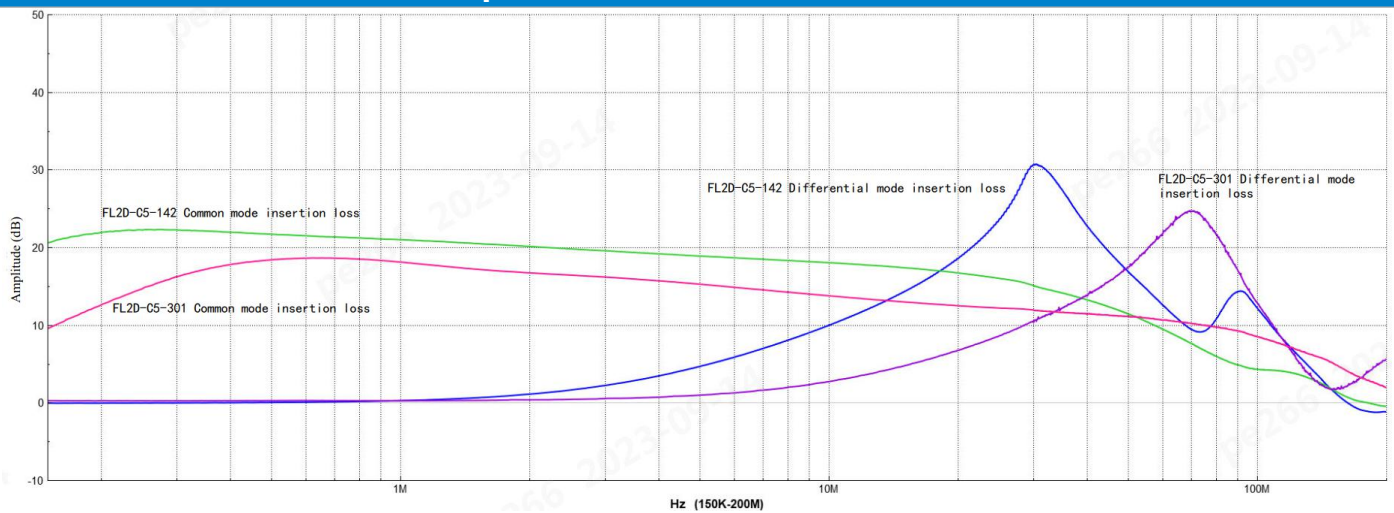
Schematic Diagram Of Pin Mark



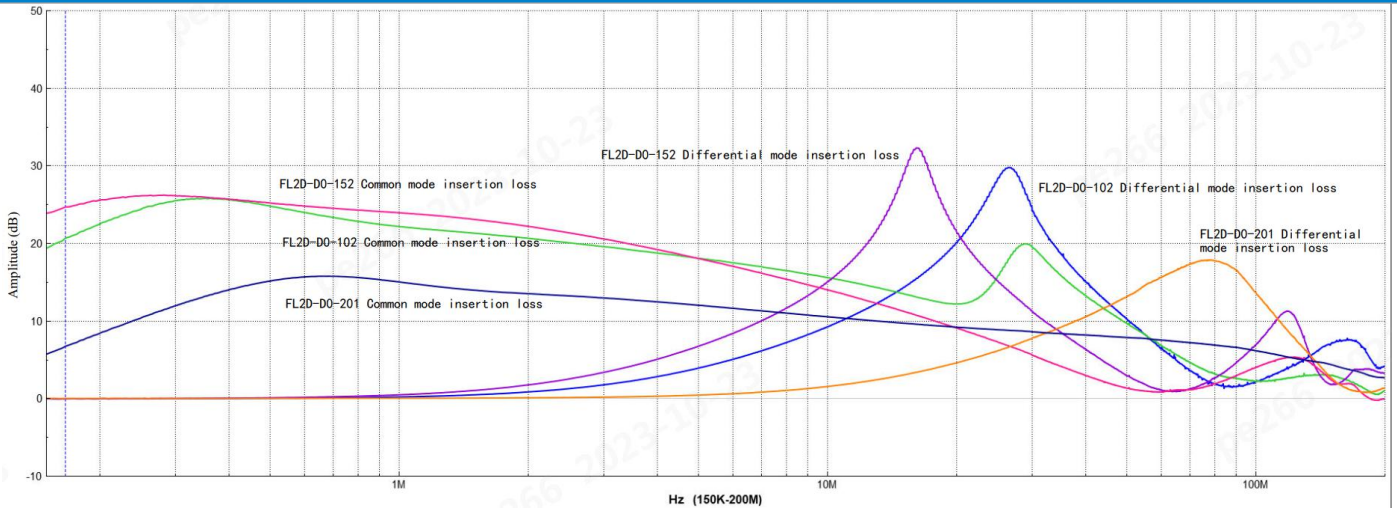
FL2D-B5-131 Insertion Loss Specifications (reference value)



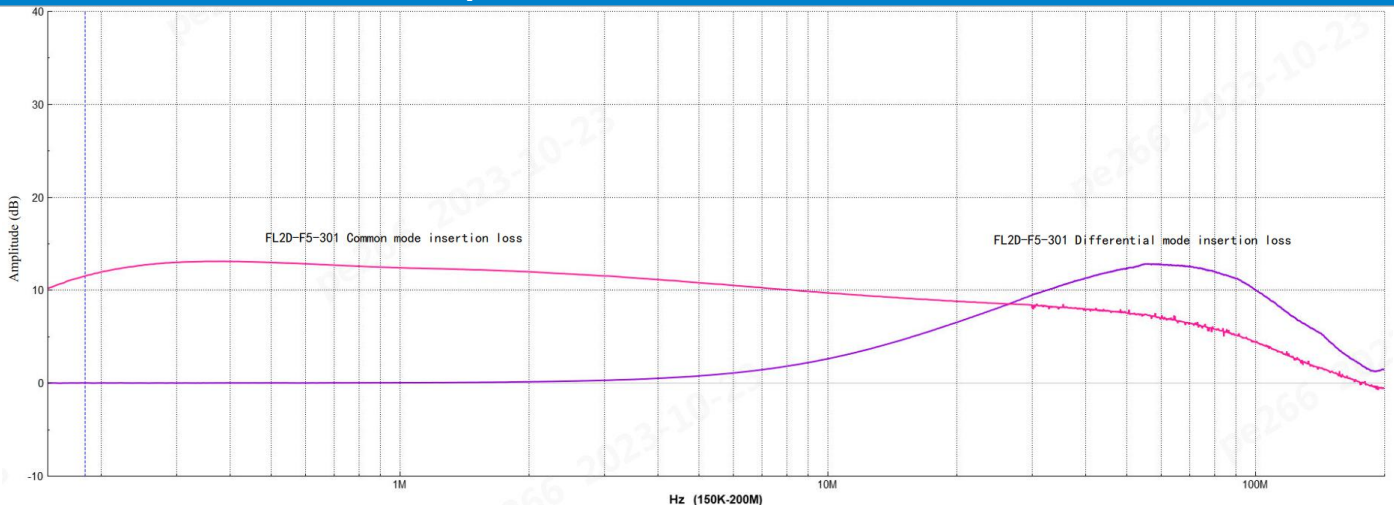
FL2D-C5-xxx Insertion Loss Specifications (reference value)



FL2D-D0-xxx Insertion Loss Specifications (reference value)



FL2D-F5-301 Insertion Loss Specifications (reference value)



FL2D-B5-131 Schematic Diagram Of Pin Mark

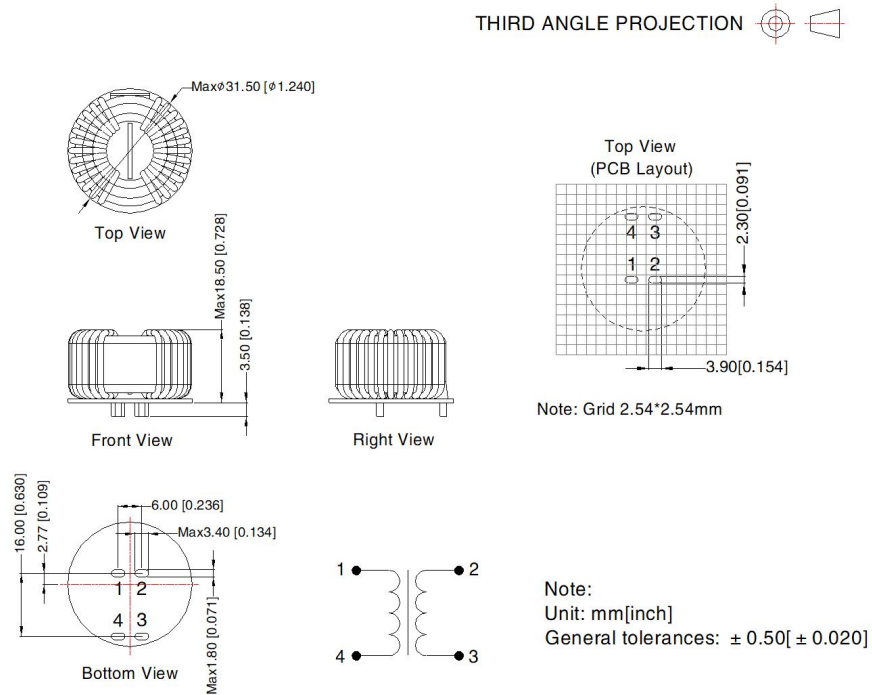


Fig. 1

FL2D-C5-301 Schematic Diagram Of Pin Mark

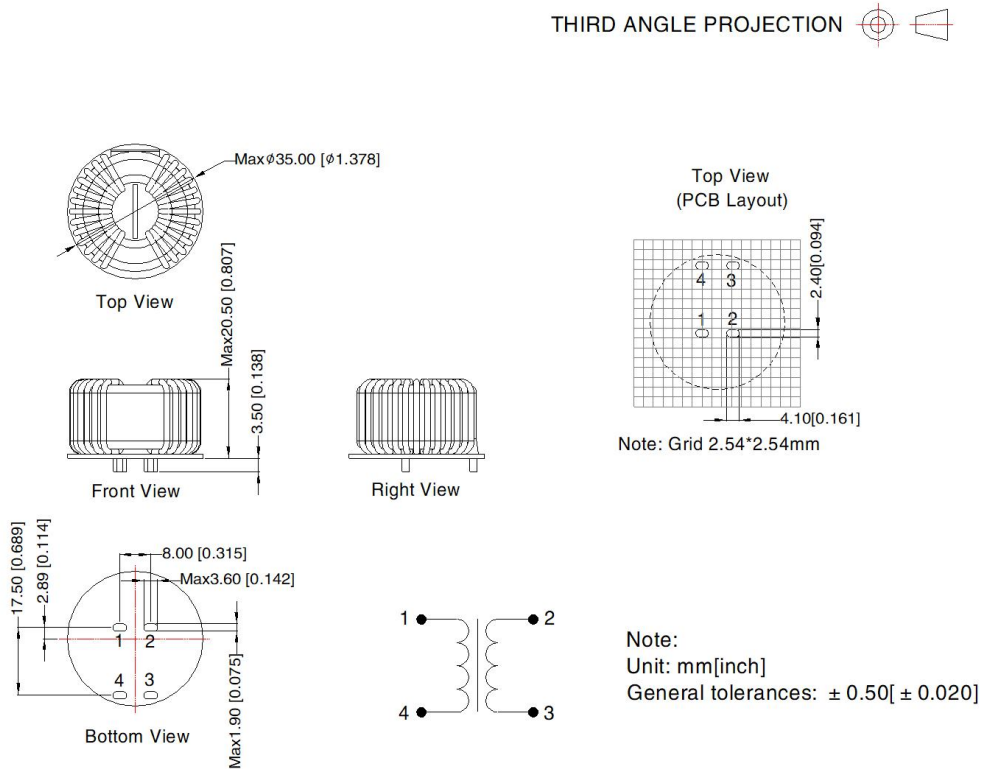


Fig. 2

FL2D-C5-142 Schematic Diagram Of Pin Mark

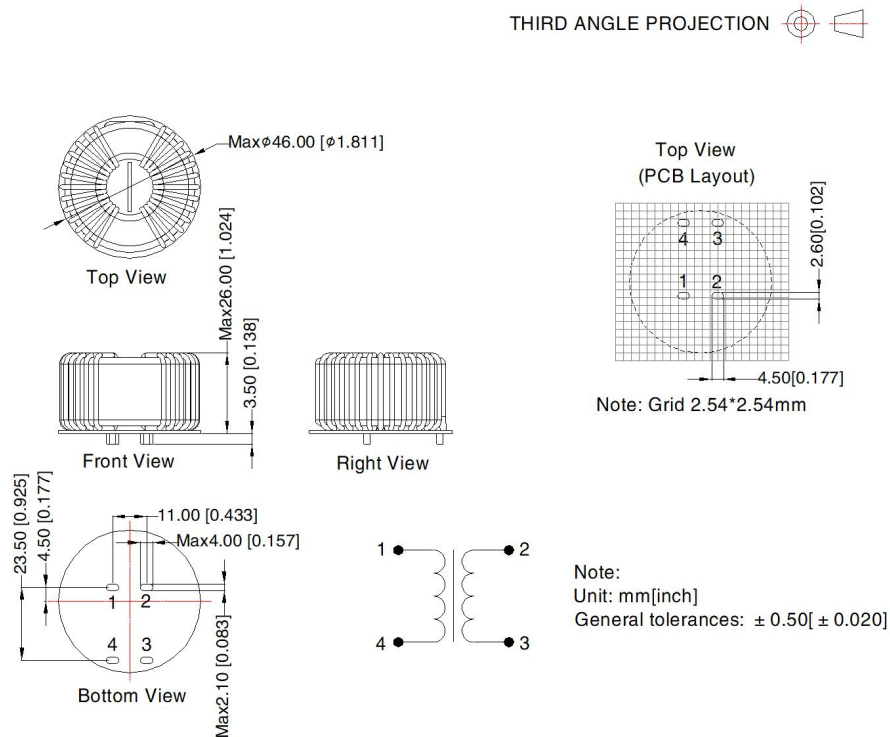


Fig. 3

FL2D-D0-201 Schematic Diagram Of Pin Mark

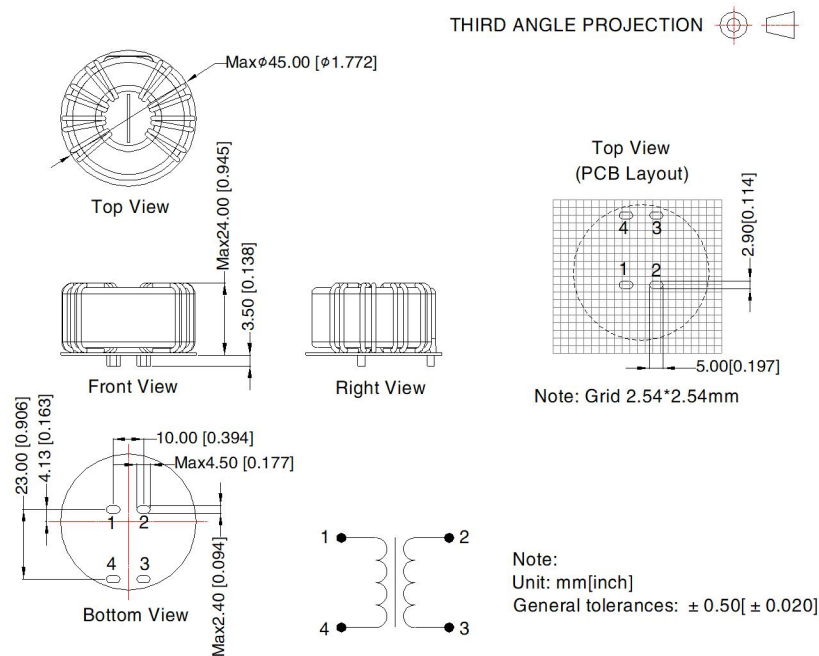


Fig. 4

FL2D-D0-561 Schematic Diagram Of Pin Mark

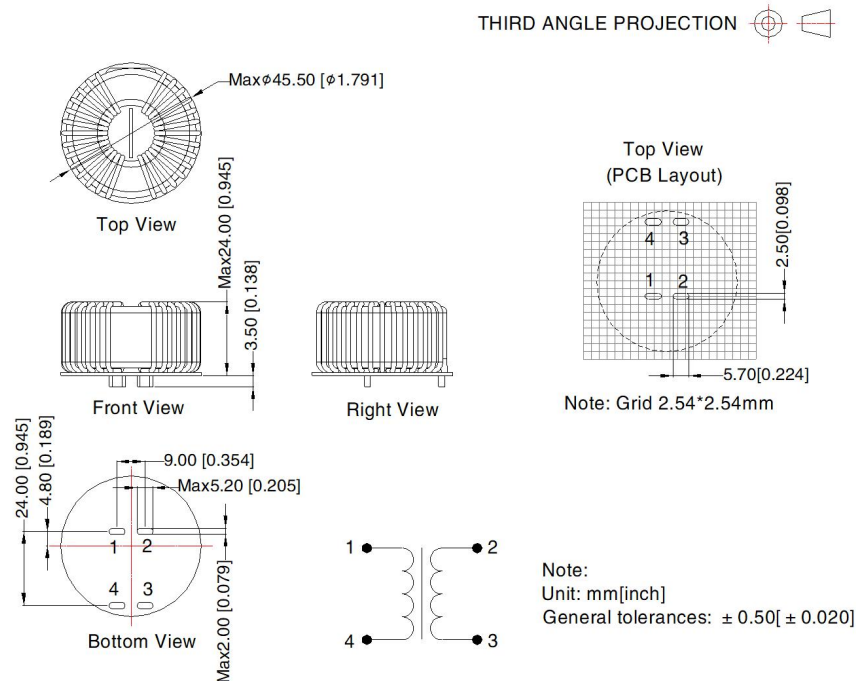


Fig. 5

FL2D-D0-102 Schematic Diagram Of Pin Mark

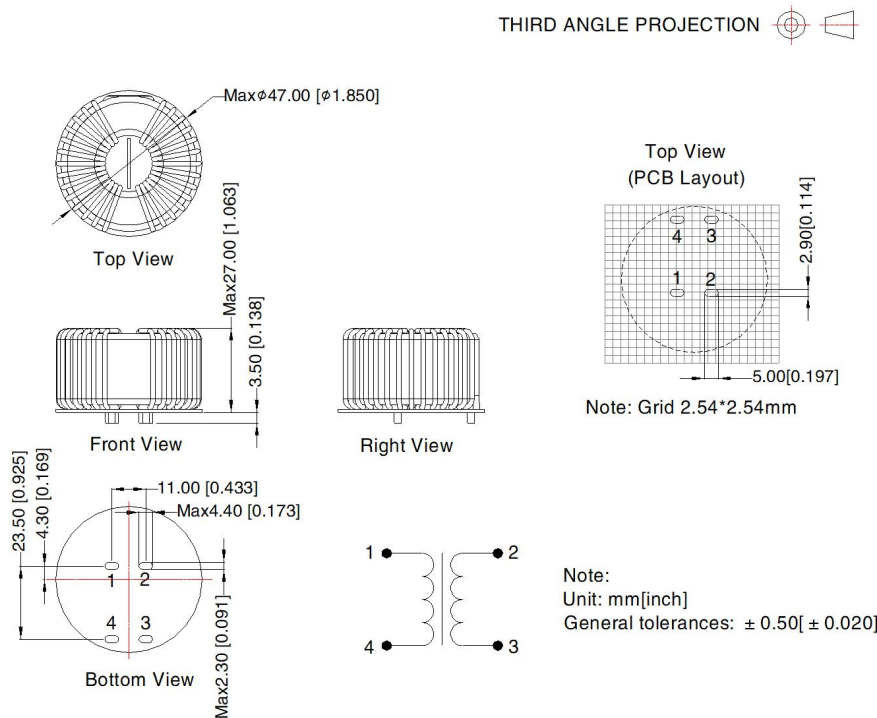


Fig.6

FL2D-D0-152 Schematic Diagram Of Pin Mark

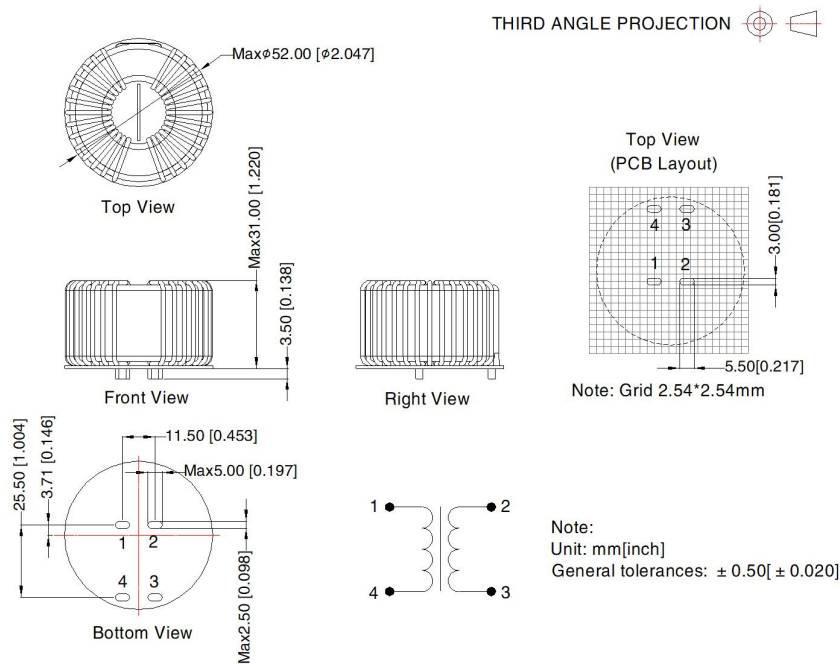


Fig. 7

FL2D-F5-301 Schematic Diagram Of Pin Mark

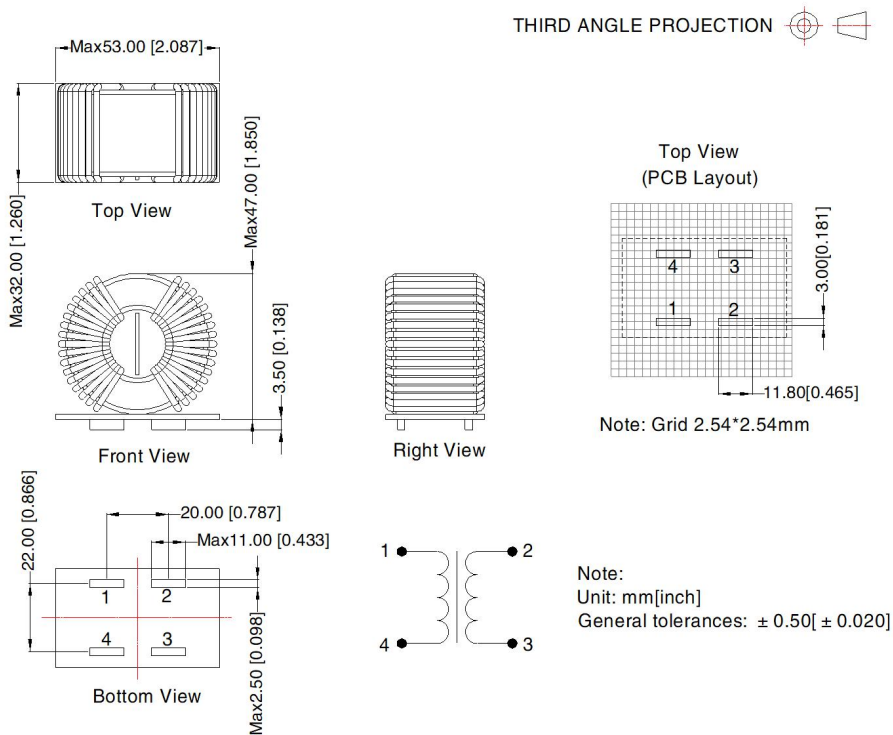


Fig. 8

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、FL2D-D0-102) ; 58210381 (FL2D-D0-152、FL2D-F5-301)
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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