

### Common Mode Filter

### FEATURES



RoHS



- 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-A0-102	0.65*2	1*2	10	10*2	25.0	30.5 x 30.5 x 16.5 See Figure1
FL2D-A0-332	2.1*2	3.3*2	10	15*2	31.6	30.5 x 30.5 x 18.0 See Figure2
FL2D-A0-562	3.6*2	5.6*2	10	20*2	41.6	30.5 x 30.5 x 21.5 See Figure3
FL2D-A0-103	6.5*2	10*2	10	25*2	60.8	38.0 x 38.0 x22.0 See Figure4
FL2D-A5-102	0.65*2	1*2	15	10*2	35.2	31.5 x 31.5 x 20.5 See Figure5
FL2D-A5-332	2.1*2	3.3*2	15	15*2	59.0	38.5 x 38.5 x22.0 See Figure6
FL2D-A5-472	3.0*2	4.7*2	15	20*2	64.8	38.5 x 38.5 x22.0 See Figure7
FL2D-A5-562	3.6*2	5.6*2	15	20*2	68.8	38.5 x 38.5 x23.0 See Figure8

注： 1.\*FL2D-A0-XXX refer to the product diagram on the left, FL2D-A5-XXX refer to the product diagram on the right

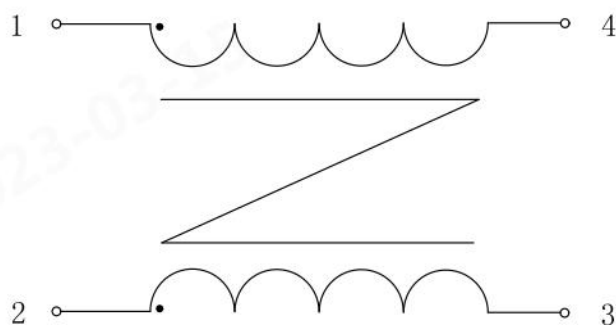
### General Specifications

Item	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature *		-40	--	+105	°C
Storage Temperature		-40	--	+105	
Welding Temperature	Wave soldering welding,10 seconds MAX	255	260	265	
Storage Humidity	Non-condensing	--	--	95	%
Inductance Error Range	fo=10KHz, Uo=0.1V	--	35	--	%
Isolation Voltage (COIL-COIL)	Electric strength test for 1 minute with a leakage current of 5mA max	--	--	1500	VAC
Vibration		10~55Hz, 10g, X,Y,Z direction			
Warranty	Ambient temperature: <40°C	3 years			

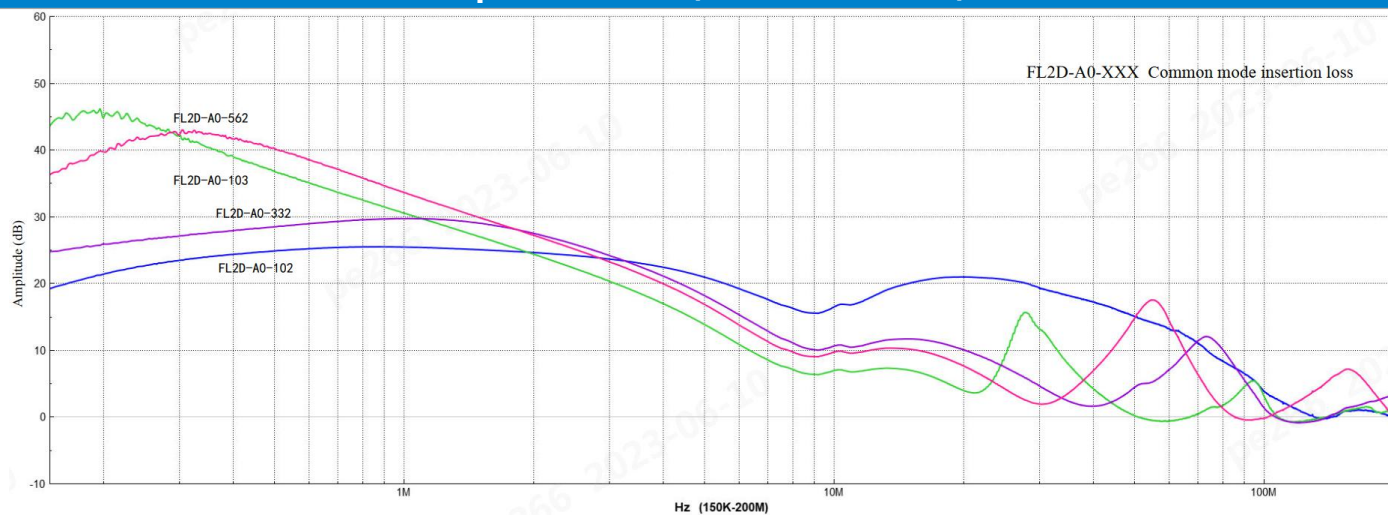
Note: \*1.Operating Temperature range includes inductor self heating.

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

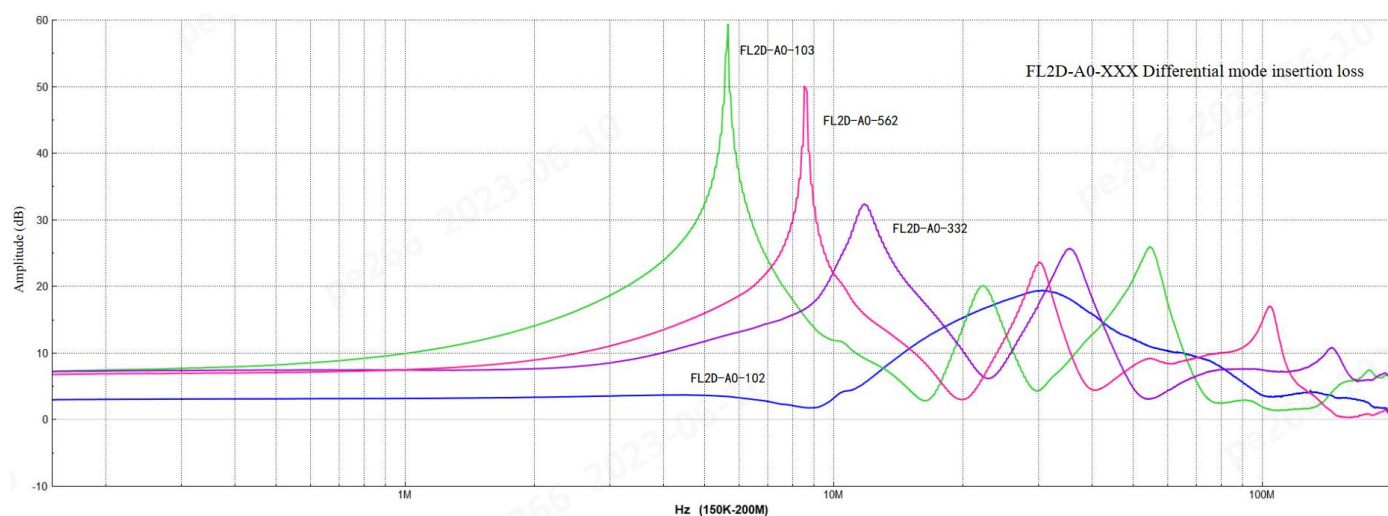
## Schematic Diagram Of Pin Mark



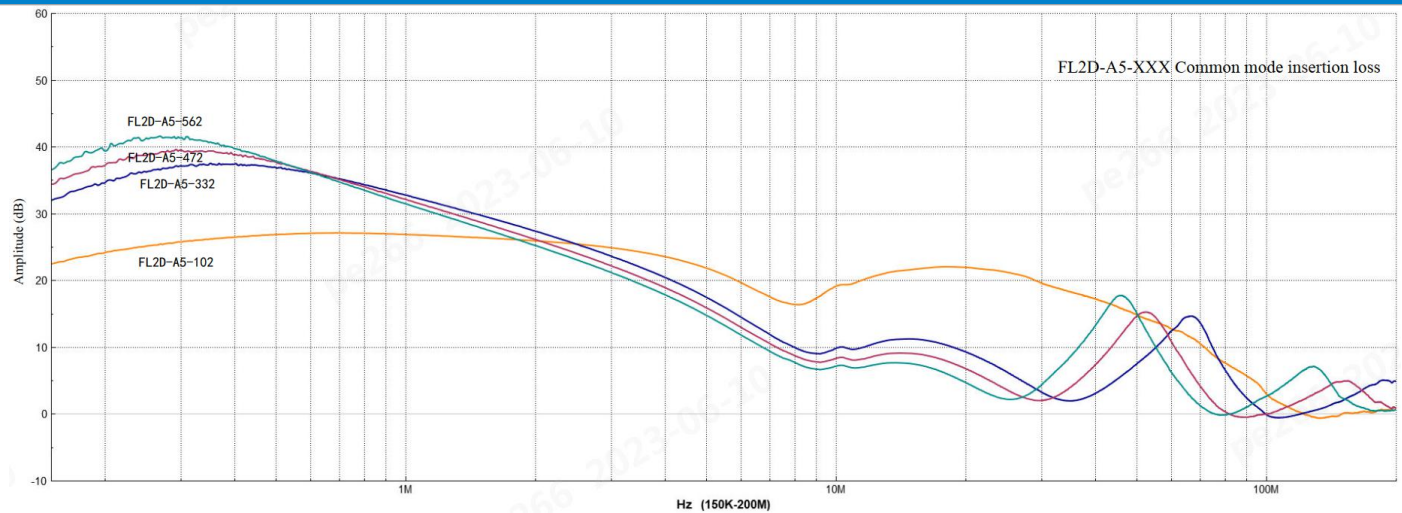
## FL2D-A0-xxx Insertion Loss Specifications (reference value )



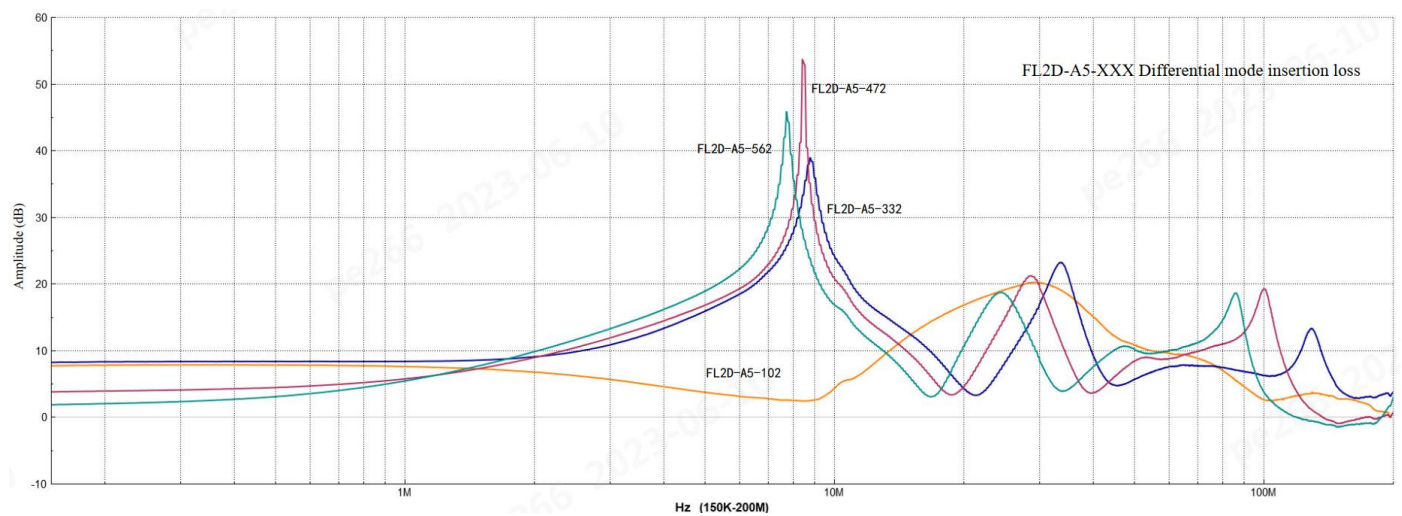
## FL2D-A0-xxx Insertion Loss Specifications (reference value )



## FL2D-A5-xxx Insertion Loss Specifications (reference value )



## FL2D-A5-xxx Insertion Loss Specifications (reference value )



FL2D-A0-102 Schematic Diagram Of Pin Mark

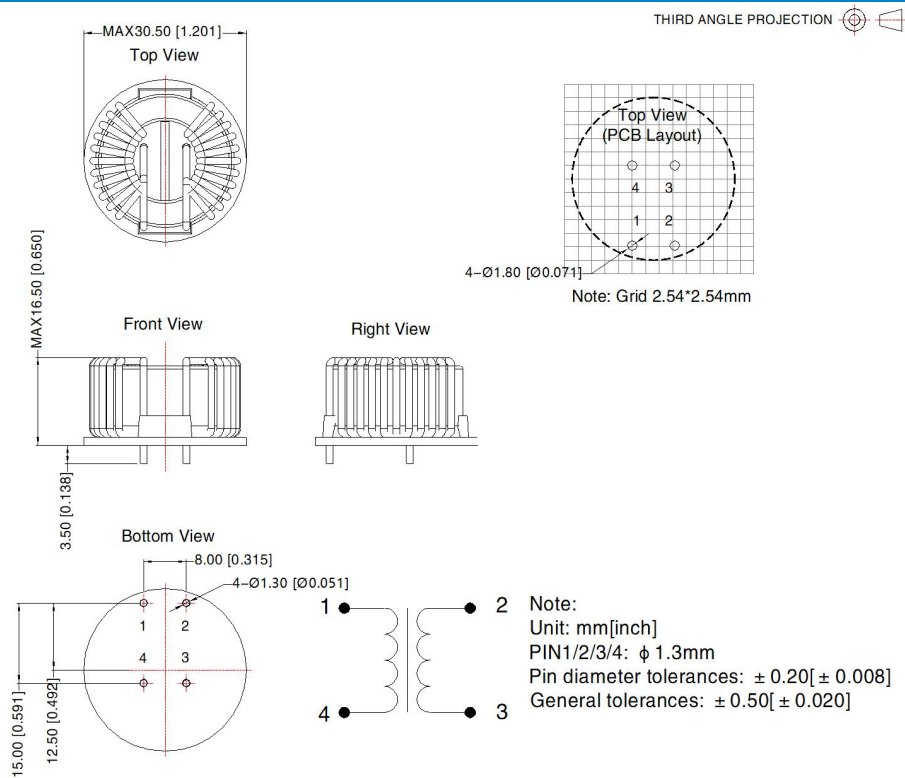


Fig. 1

FL2D-A0-332 Schematic Diagram Of Pin Mark



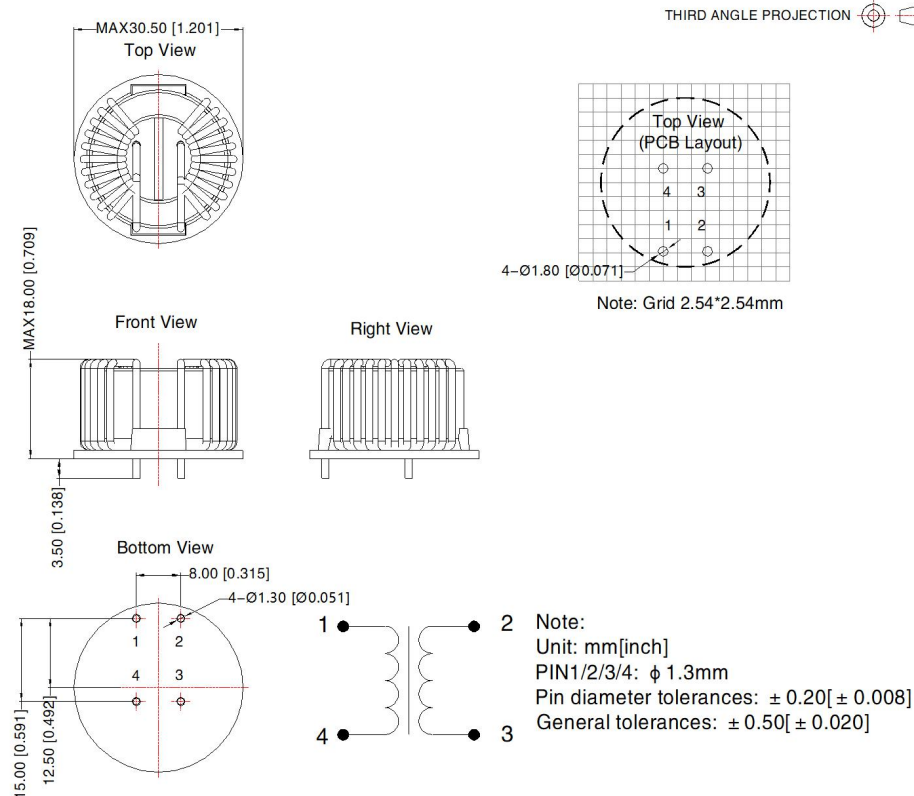


Fig. 2

## FL2D-A0-562 Schematic Diagram Of Pin Mark

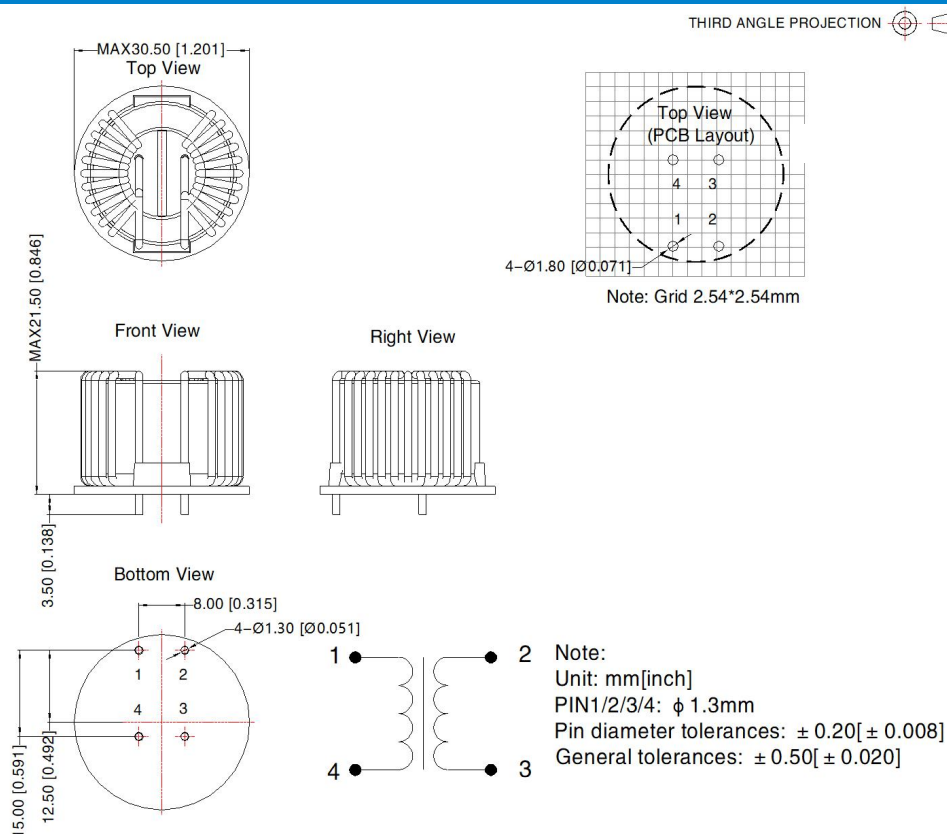


Fig. 3

## FL2D-A0-103 Schematic Diagram Of Pin Mark

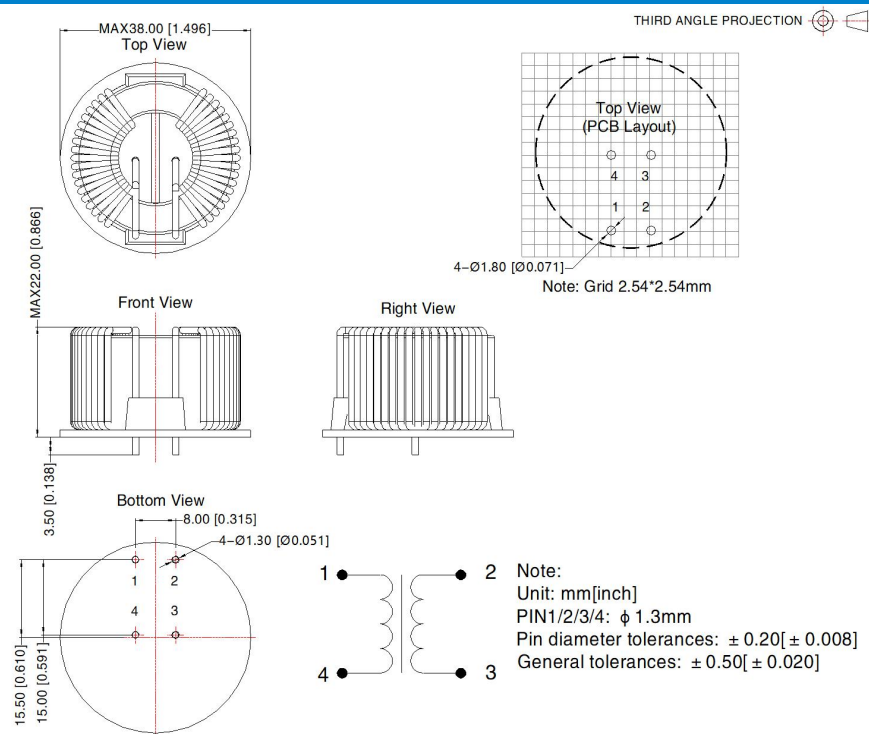


Fig. 4

## FL2D-A5-102 Schematic Diagram Of Pin Mark

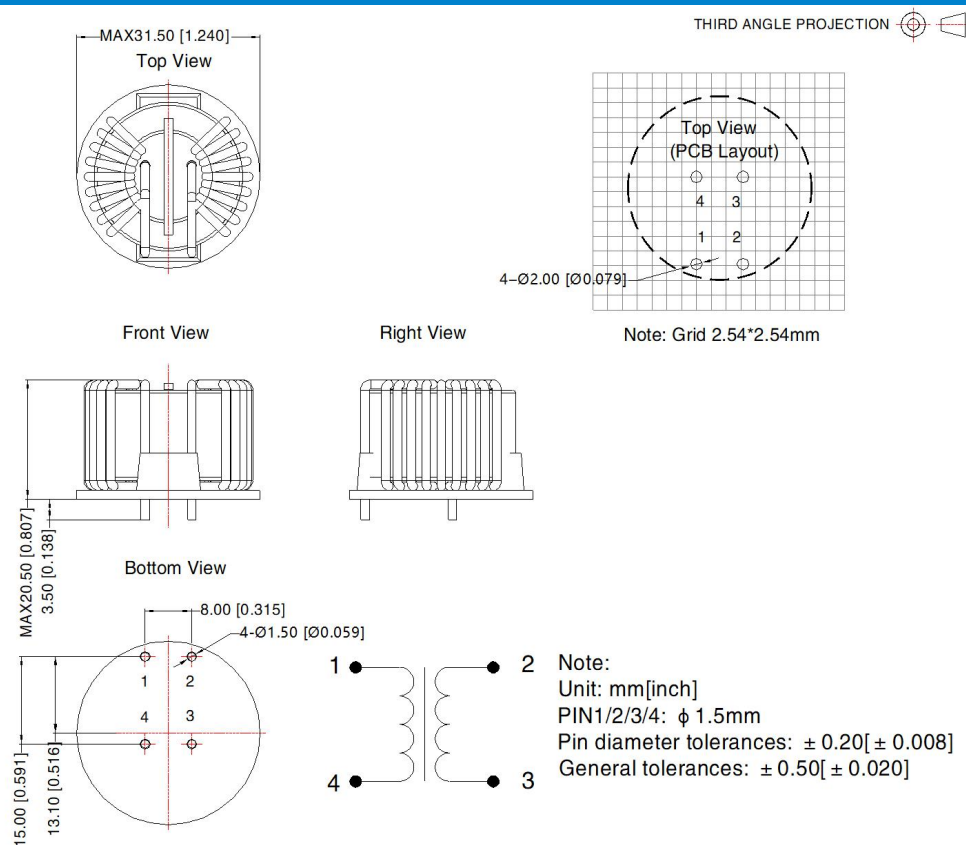


Fig. 5

## FL2D-A5-332 Schematic Diagram Of Pin Mark

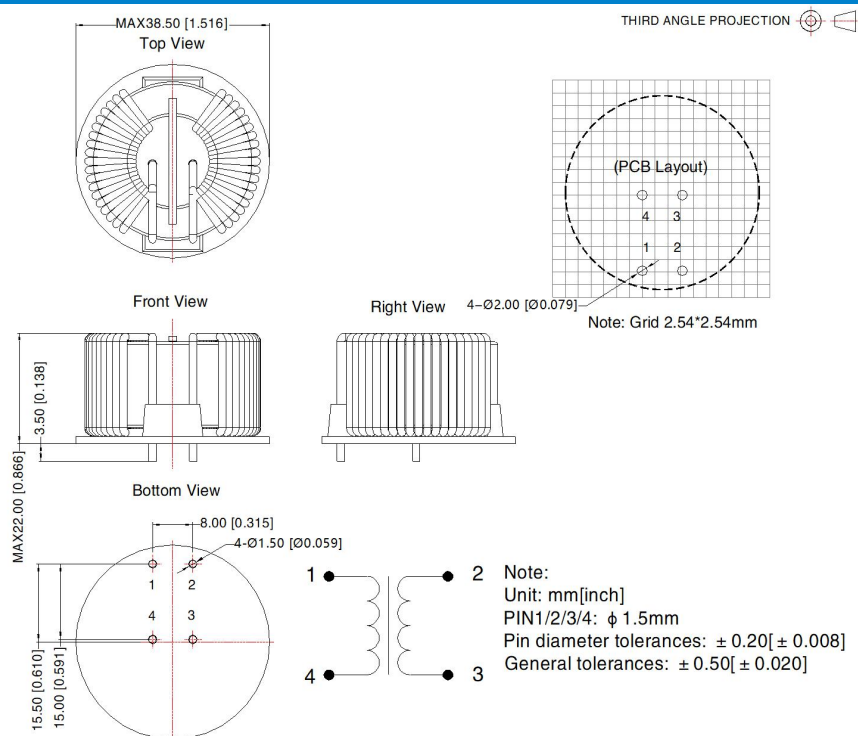


Fig. 6

## FL2D-A5-472 Schematic Diagram Of Pin Mark

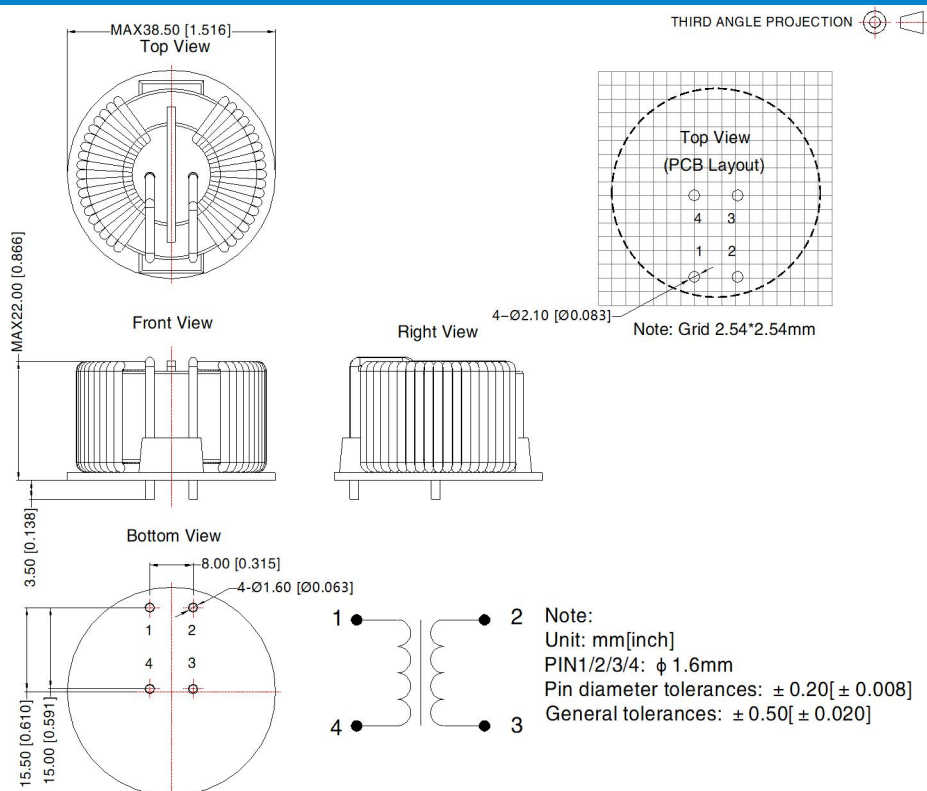


Fig. 7

## FL2D-A5-562 Schematic Diagram Of Pin Mark

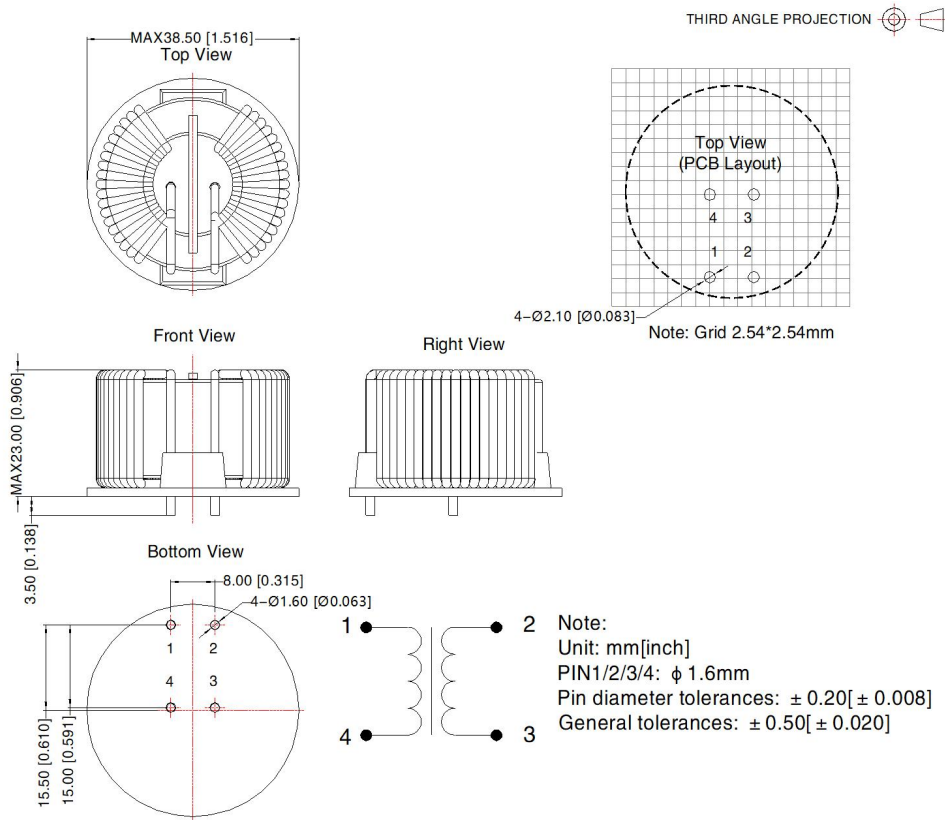


Fig. 8

## Note:

- For additional information on Product Packaging please refer to [www.mornsun-power.com](http://www.mornsun-power.com). Packaging bag number: 58240096 (FL2D-A0-102, FL2D-A0-332, FL2D-A0-562, FL2D-A5-102) ; 58240094 (FL2D-A0-103, FL2D-A5-332, FL2D-A5-472, FL2D-A5-562) ; 58240100 (FL2D-A0-102, FL2D-A0-332)
- Unless otherwise specified, data in this data sheet should be tested under the conditions of  $T_a=25^{\circ}\text{C}$ , humidity<75%RH;
- All index testing methods in this datasheet are based on company corporate standards;
- 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;
- We can provide product customization service, please contact our technicians directly for specific information;
- Products are related to laws and regulations: see "Features" ;
- 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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