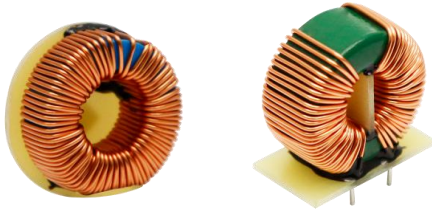


## Common Mode Filter

## FEATURES



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

RoHS



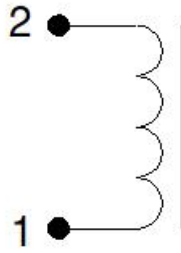
The filter is suitable for applications that are sensitive to noise, such as analog circuits, and the EMC level can be significantly improved by adding a product to the input end of the power module.

Selection Guide							
Type	Model	Inductance (mH)(min)	Inductance (mH)(typ)	Current (A)(max)	DCR(mΩ)(max)	Weight (g)(typ)	Size(mm)(L x W x H)
Differential Mode Choke	FD2D-20-301	195	300	2	160	22	28.00 x 28.00 x 13.50 See Figure1
Differential Mode Choke	FD2D-20-202	1300	2000	2	400	53	32.00 x 32.00 x 18.50 See Figure2
Differential Mode Choke	FD2D-40-202	1300	2000	4	230	79	40.00 x 40.00 x 20.00 See Figure3
Common Mode Choke	FL2D-20-562	3640*2	5600*2	2	60*2	10	21.00 x 11.00 x 20.50 See Figure4
Common Mode Choke	FL2D-20-103	6500*2	10000*2	2	70*2	16.5	23.00 x 14.00 x 23.00 See Figure5
Common Mode Choke	FL2D-40-562	3640*2	5600*2	4	35*2	25	26.00 x 18.00 x 24.50 See Figure6

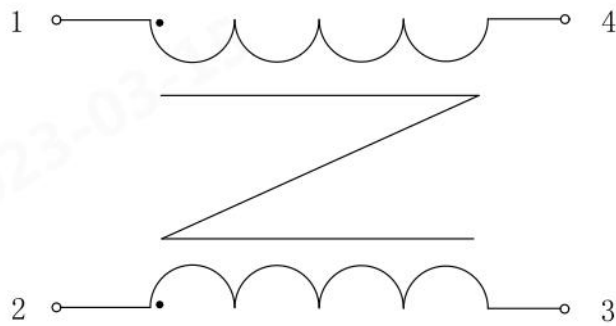
General Specifications						
Item	Test Conditions	Min.	Typ.	Max.	Unit	
Operating Temperature *		-40	--	+105	°C	
Storage Temperature		-40	--	+105		
Storage Humidity	Non-condensing	--	--	95	%	
Inductance Error Range	fo=10KHz, Uo=0.1V,T=25°C	--	35	--	%	
Isolation Voltage (COIL-COIL)	FL2D-20-562	Electric strength test for 1 minute with a leakage current of 1mA max	--	--	3000	VDC
	FL2D-20-103					
	FL2D-40-562					
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.

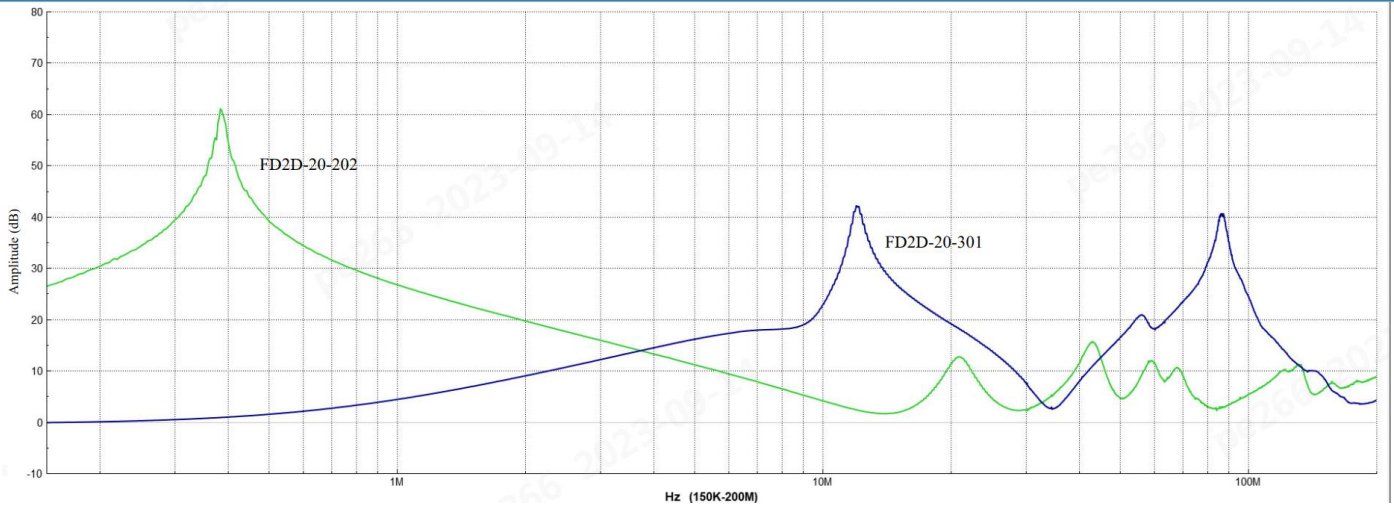
FD2D Series Schematic Diagram Of Pin Mark



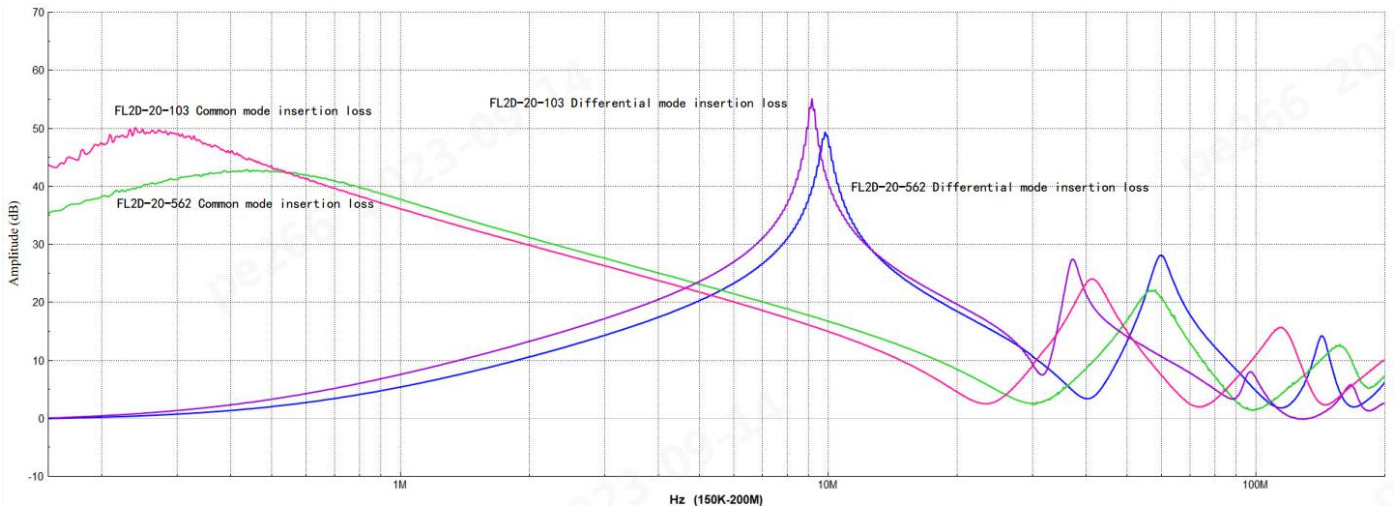
FL2D Series Schematic Diagram Of Pin Mark



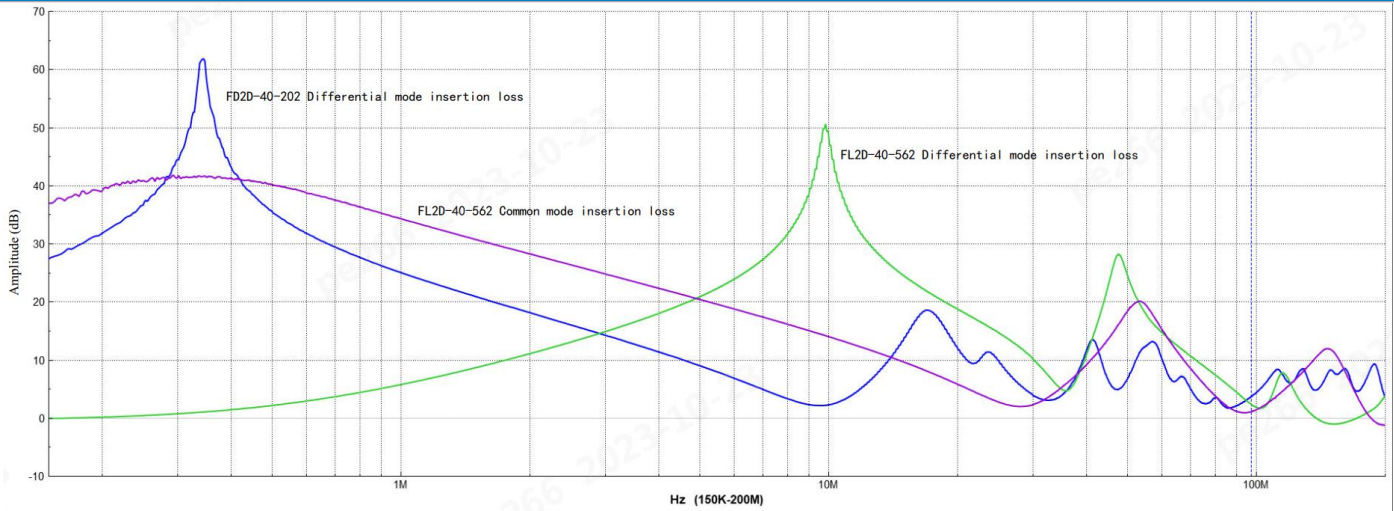
FD2D-20-xxx Insertion Loss Specifications (reference value )



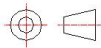
**FL2D-20-xxx Insertion Loss Specifications (reference value )**



**FL2D/FD2D-40-xxx Insertion Loss Specifications (reference value )**



FD2D-20-301 Schematic Diagram Of Pin Mark

THIRD ANGLE PROJECTION 

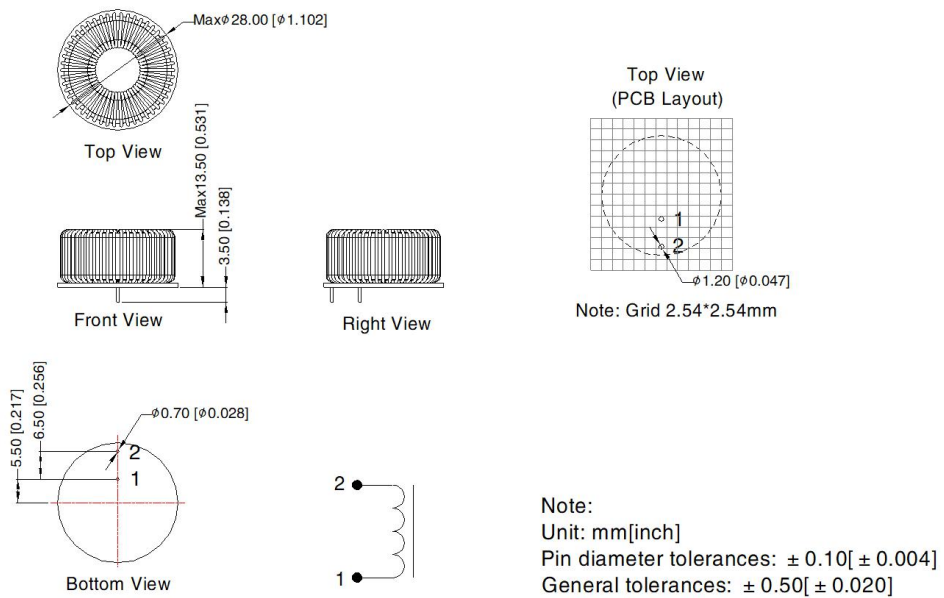


Fig. 1

FD2D-20-202 Schematic Diagram Of Pin Mark

THIRD ANGLE PROJECTION 

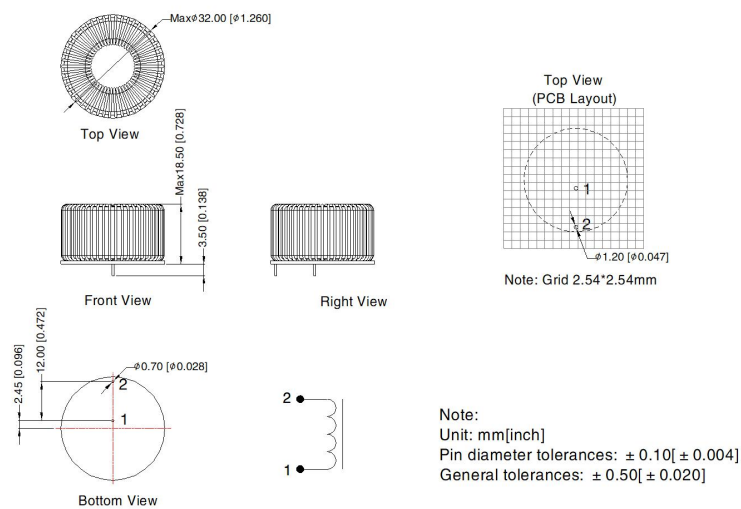


Fig. 2

FD2D-40-202 Schematic Diagram Of Pin Mark

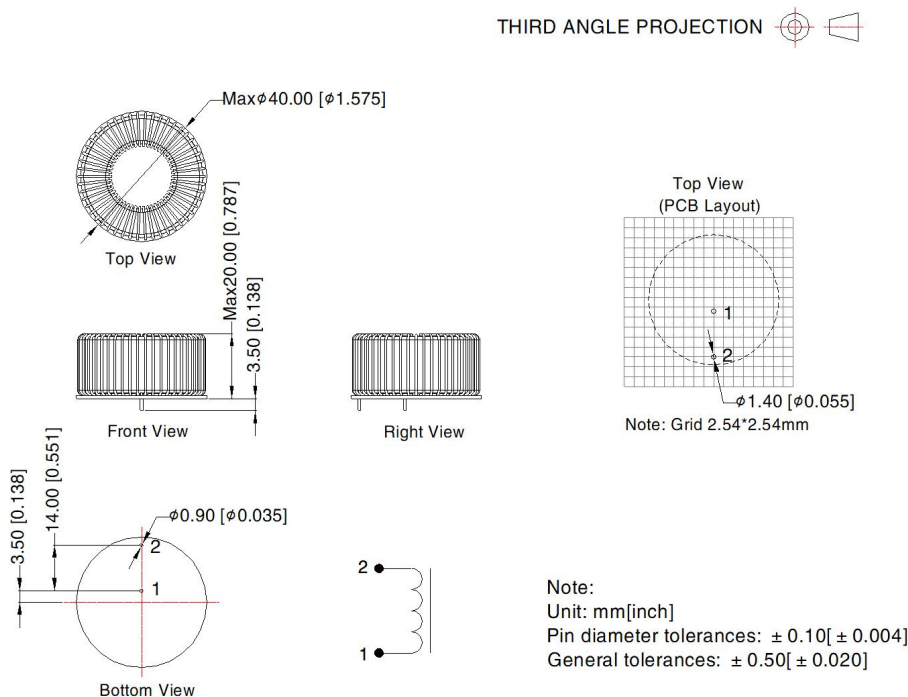


Fig. 3

FL2D-20-562 Schematic Diagram Of Pin Mark

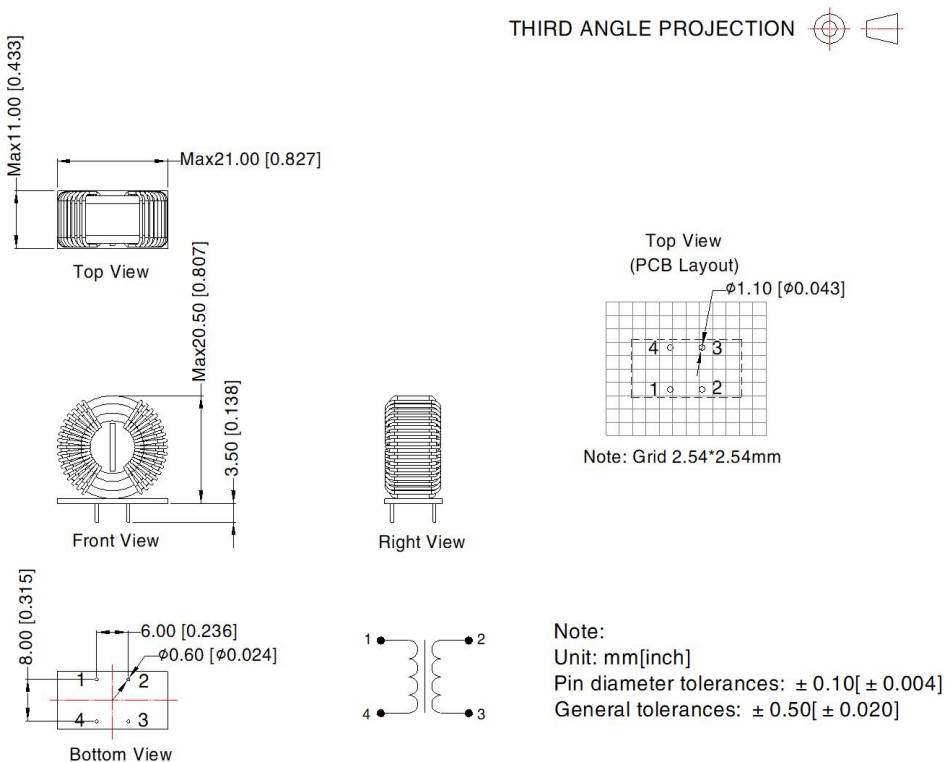


Fig. 4

FL2D-20-103 Schematic Diagram Of Pin Mark

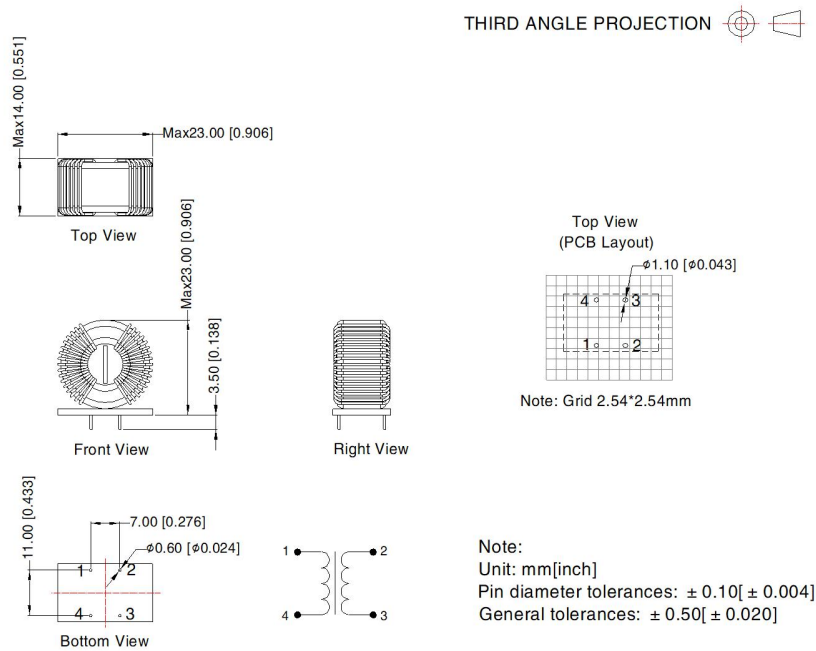


Fig. 5

FL2D-40-562 Schematic Diagram Of Pin Mark

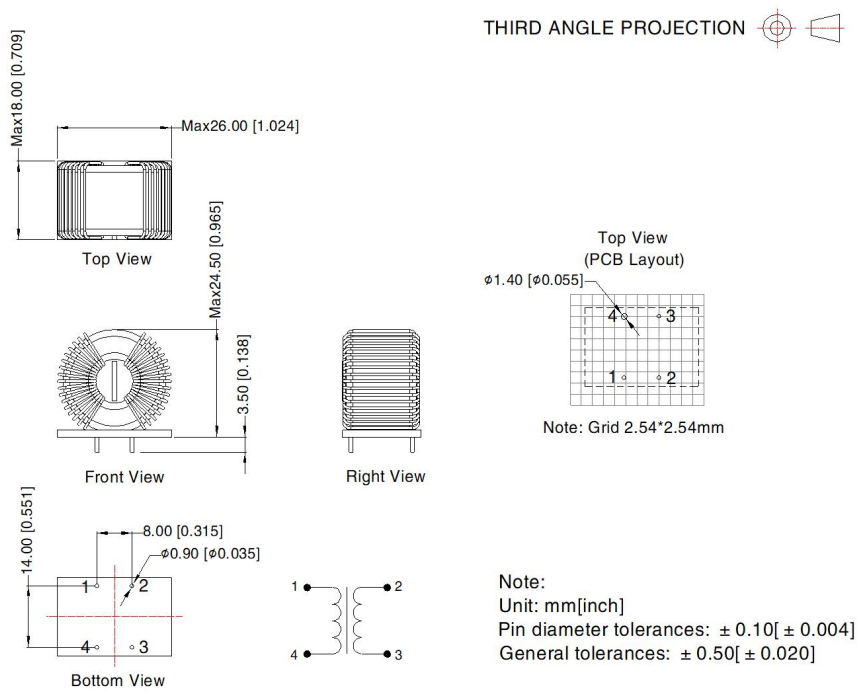


Fig. 6

Note:

1. For additional information on Product Packaging please refer to [www.mornsun-power.com](http://www.mornsun-power.com). Packaging bag number: 58210365 (FD2D-20-301) ; 58240100 (FD2D-20-202) ; 58220605 (FL2D-20-562、FL2D-20-103) ;58240094 (FD2D-40-202) ; 58210379 (FL2D-40-562 ) ;
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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