

Common Mode Filter



RoHS

FEATURES

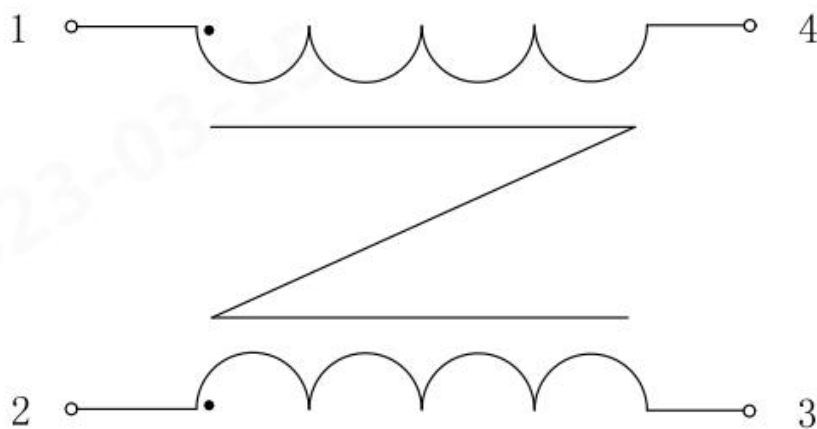
- High reliability
- Ultra working voltage
- Excellent Isolation Voltage
- Effective anti-interference
- Good temperature characteristic (-40℃~+105℃)
- Ultra working voltage: 0-1500VAC/0-1500VDC  
(transient 1700VDC)

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.

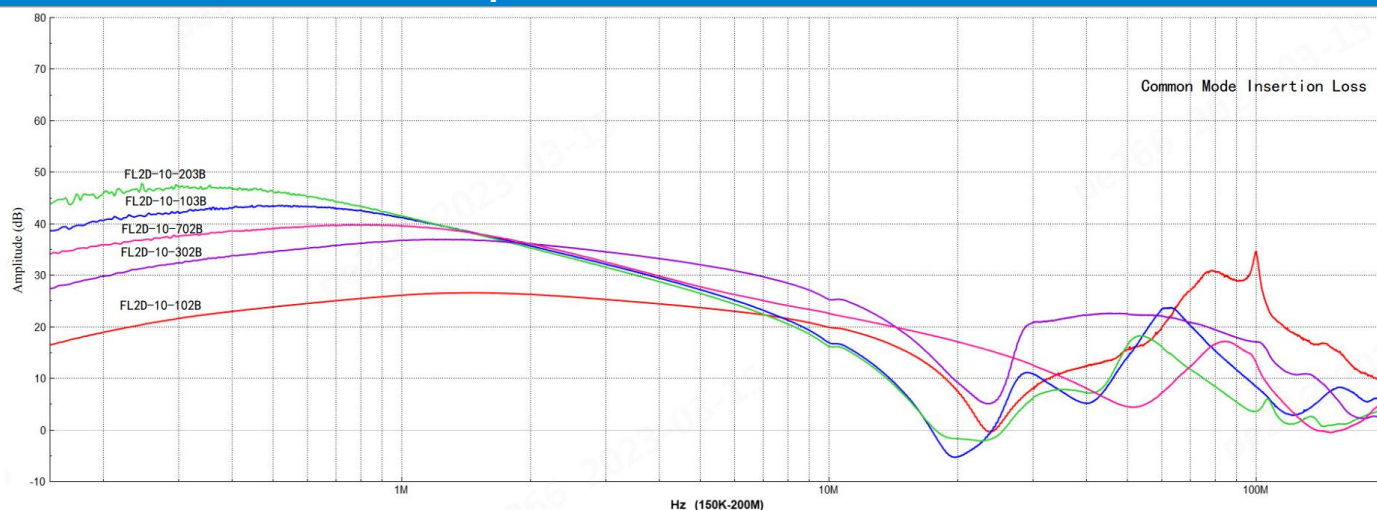
Selection Guide							
Model	Inductance (mH)(min)	Inductance (mH)(typ)	Operating Voltage(VAC)	Current (A)(max)	DCR(mΩ)(max)	Weight (g)(typ)	Size(mm)(L x W x H)
FL2D-10-102B	0.65*2	1*2	1500	1	70*2	6.0	20.0 x 12.0 x 23.0
FL2D-10-302B	1.95*2	3*2	1500	1	110*2	6.5	20.0 x 12.0 x 23.0
FL2D-10-702B	4.55*2	7*2	1500	1	200*2	8.5	22.0 x 12.0 x 25.0
FL2D-10-103B	6.5*2	10*2	1500	1	250*2	9.0	22.0 x 12.0 x 25.0
FL2D-10-203B	13*2	20*2	1500	1	330*2	10.0	22.0 x 12.0 x 25.0
FL2D-30-102B	0.65*2	1*2	1500	3	35*2	8.5	22.5 x 13.5 x 22.5
FL2D-30-302B	1.95*2	3*2	1500	3	50*2	10.0	22.5 x 13.5 x 22.5
FL2D-30-702B	4.55*2	7*2	1500	3	75*2	14.0	27.5 x 13.5 x 27.5
FL2D-30-103B	6.5*2	10*2	1500	3	100*2	23.0	29.5 x 15.0 x 29.0

General Specifications					
Item	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature *		-40	--	+105	℃
Storage Temperature		-40	--	+105	
Welding Temperature	Wave soldering welding,10 seconds MAX	+255	+260	+265	
Storage Humidity		--	--	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	--	--	4000	VAC
Vibration		10~150Hz 5g Z 方向			
Note: *Operating Temperature range includes inductor self heating.					

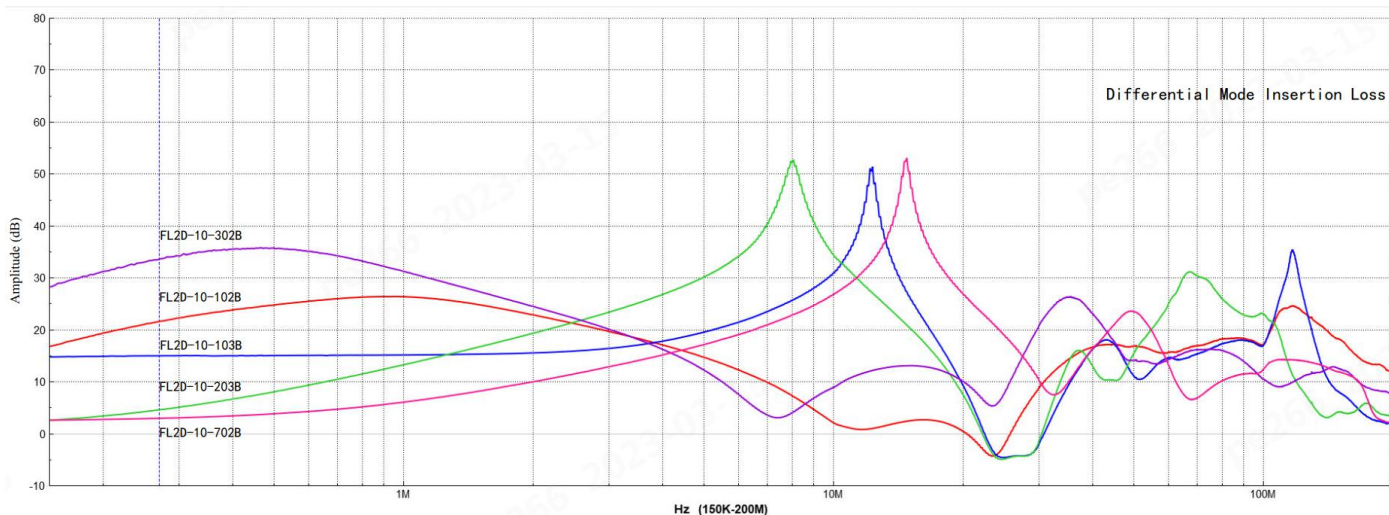
## Schematic Diagram Of Pin Mark



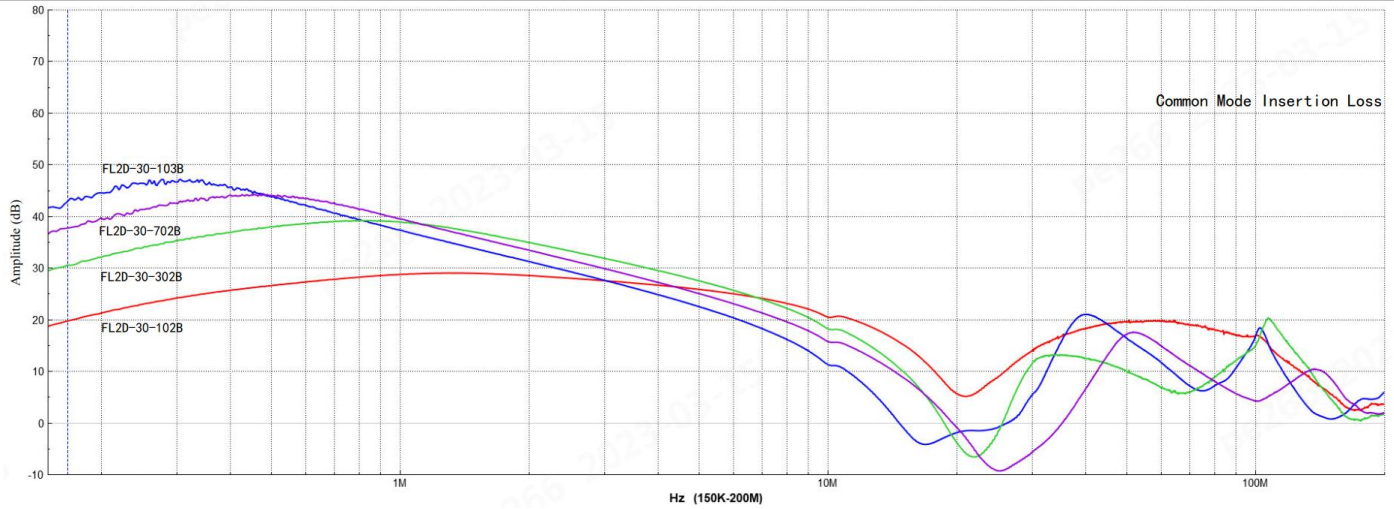
## FL2D-10-xxxB Insertion Loss Specifications (reference value )



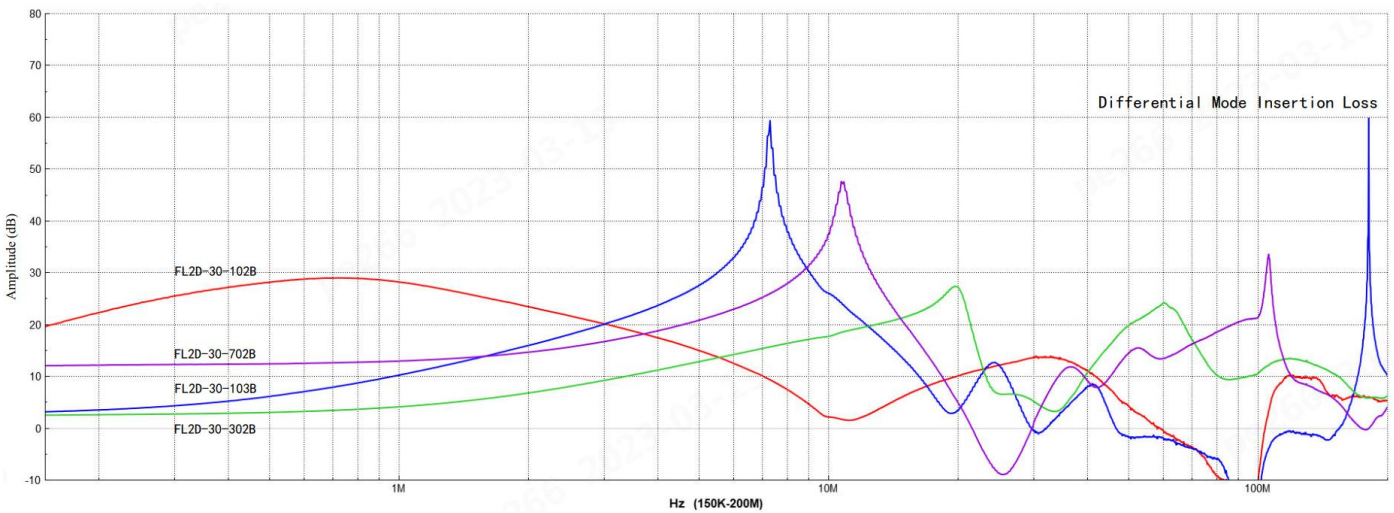
## FL2D-10-xxxB Insertion Loss Specifications (reference value )



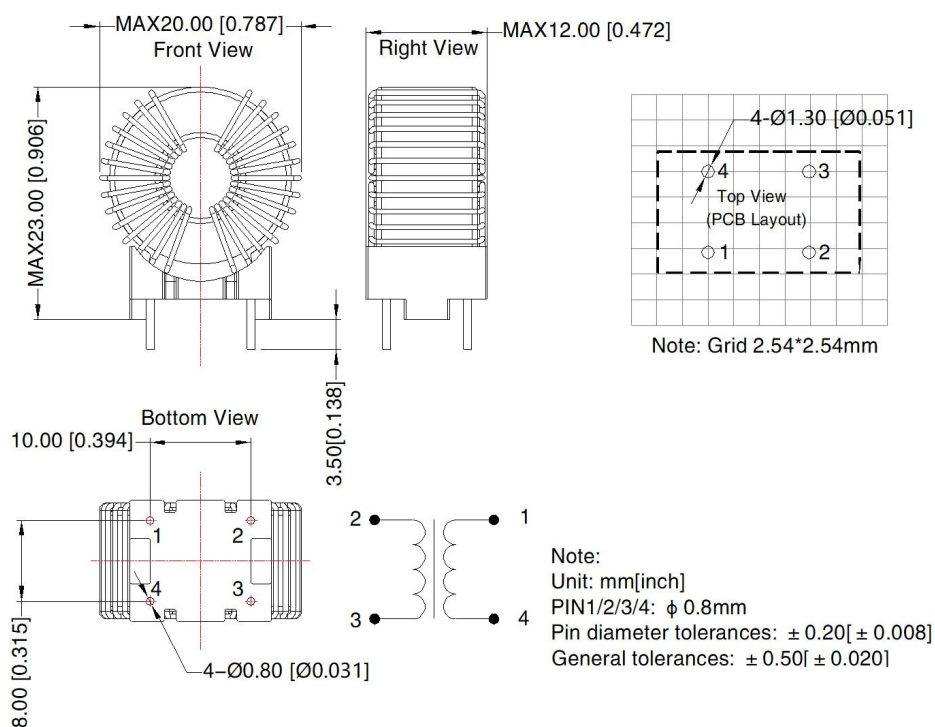

FL2D-30-xxxB Insertion Loss Specifications (reference value )



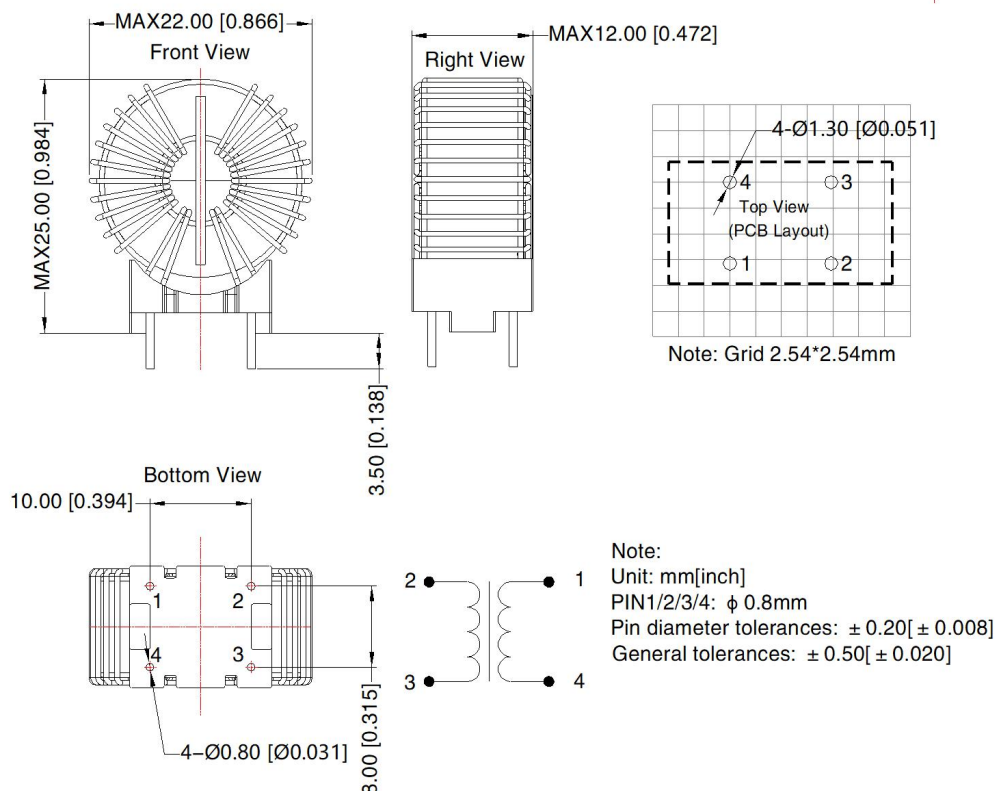
FL2D-30-xxxB Insertion Loss Specifications (reference value )



## FL2D-10-102B、302B Appearance dimensions, suggested printing layout

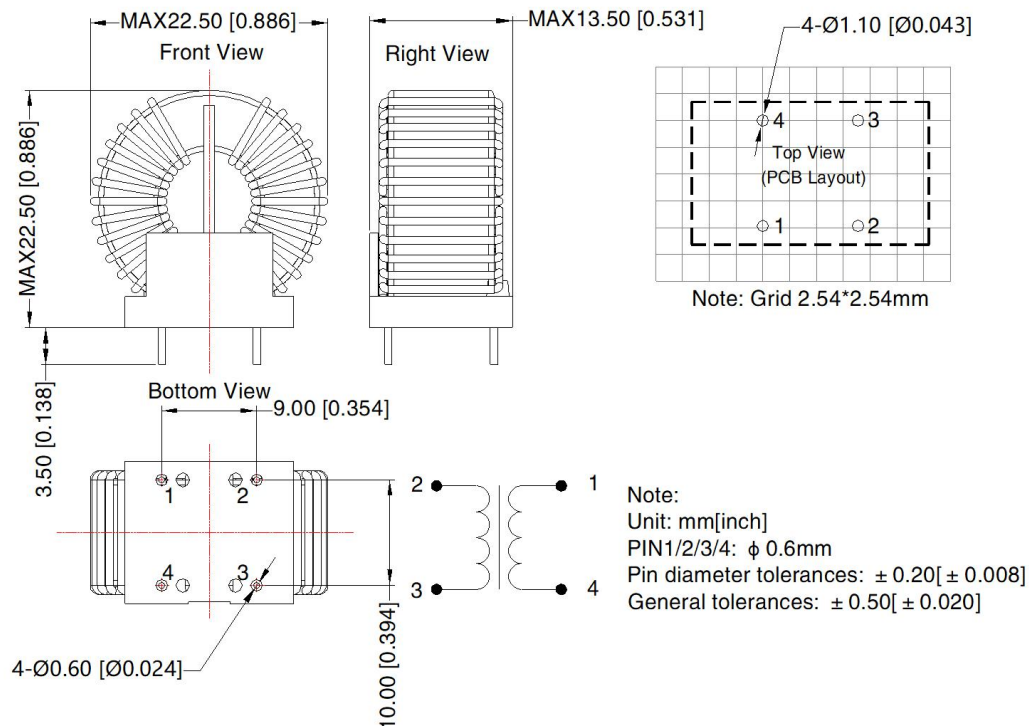
THIRD ANGLE PROJECTION 

## FL2D-10-203B、103B、702B Appearance dimensions, suggested printing layout

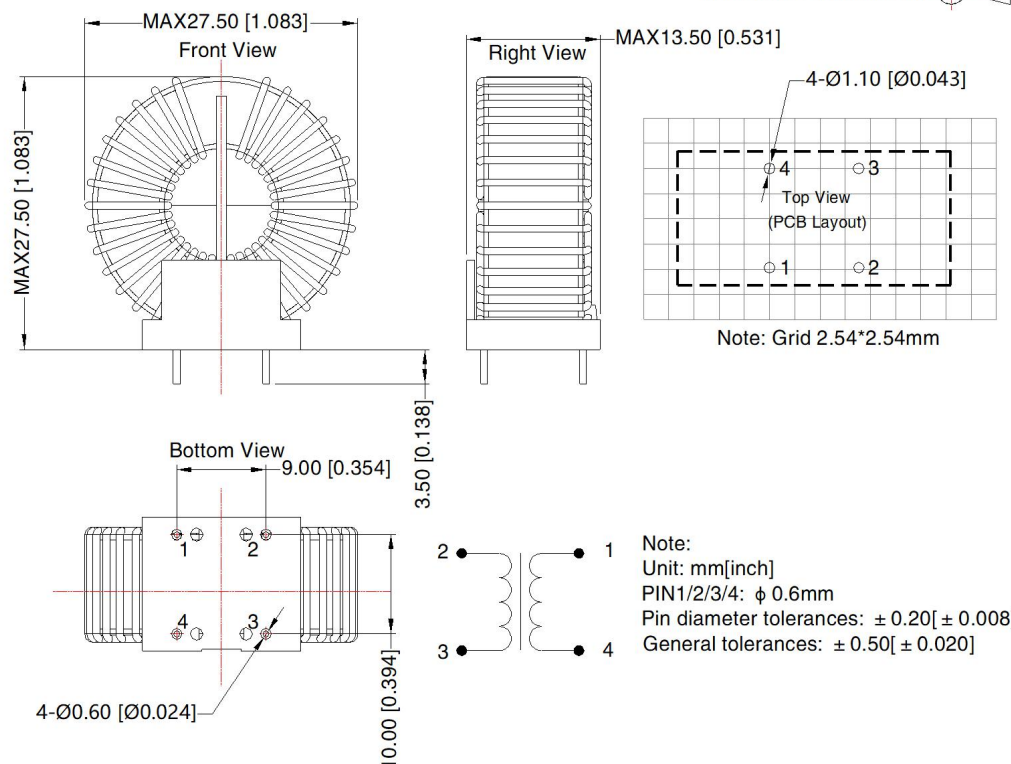
THIRD ANGLE PROJECTION 



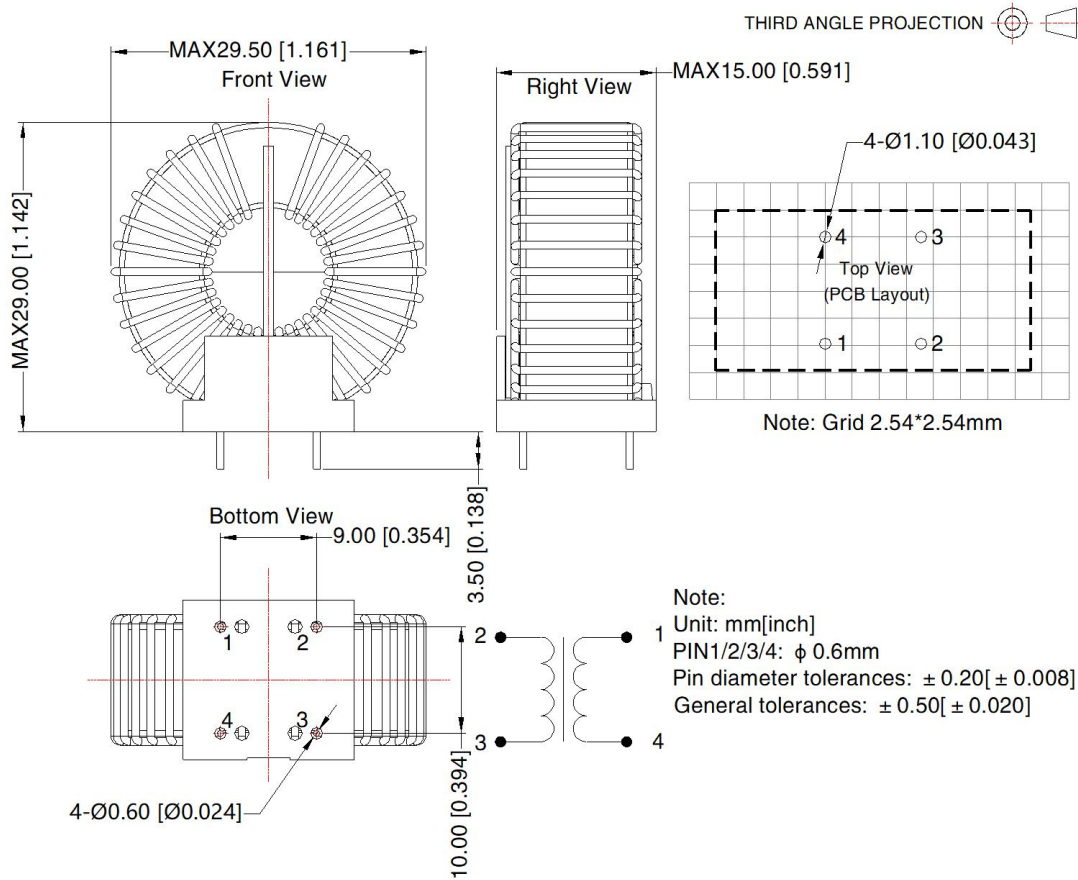
## FL2D-30-102B、302B Appearance dimensions, suggested printing layout

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## FL2D-30-702B Appearance dimensions, suggested printing layout

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## FL2D-30-103B Appearance dimensions, suggested printing layout



## Note:

- For additional information on Product Packaging please refer to [www.mornsun-power.com](http://www.mornsun-power.com). Packaging bag number: 58220605(FL2D-10-102B, FL2D-10-302B, FL2D-10-702B, FL2D-10-103B, FL2D-10-203B, FL2D-30-102B, FL2D-30-302);58220139 (FL2D-30-702B, FL2D-30-103B)
- 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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