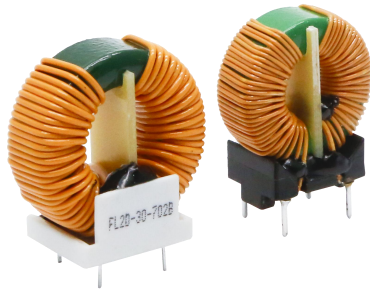


Common Mode Filter



FEATURES

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

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

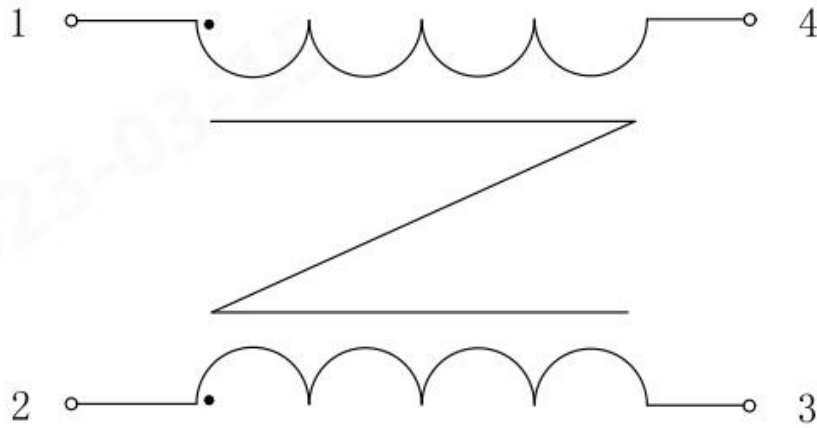
Model	Inductance (mH)(min)	Inductance (mH)(typ)	Operating Voltage(VAC)	Current (A)(max)	DCR(mΩ)(max)	Weight (g)(typ)	Size(mm)(L x W x H)
FL2D-10-102B	0.65*2	1*2	1500	1	70*2	6.0	20.0 x 12.0 x 23.0
FL2D-10-302B	1.95*2	3*2	1500	1	110*2	6.5	20.0 x 12.0 x 23.0
FL2D-10-702B	4.55*2	7*2	1500	1	200*2	8.5	22.0 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

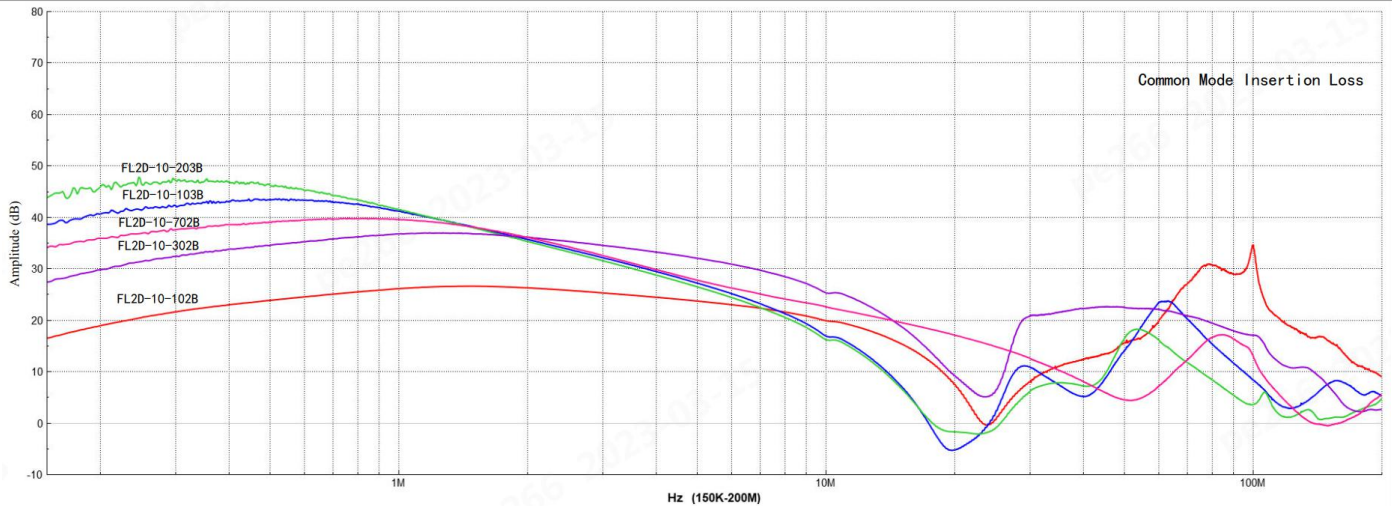
Item	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature *		-40	--	+105	°C
Storage Temperature		-40	--	+105	
Storage Humidity		--	--	95	%
Inductance Error Range	fo=10KHz, Uo=0.1V	--	35	--	%
Isolation Voltage (COIL-COIL)	Electric strength test for 1 minute with a leakage current of 5mA max	--	--	4000	VAC
Vibration		10~150Hz 5g Z方向			

Note: *Operating Temperature range includes inductor self heating.

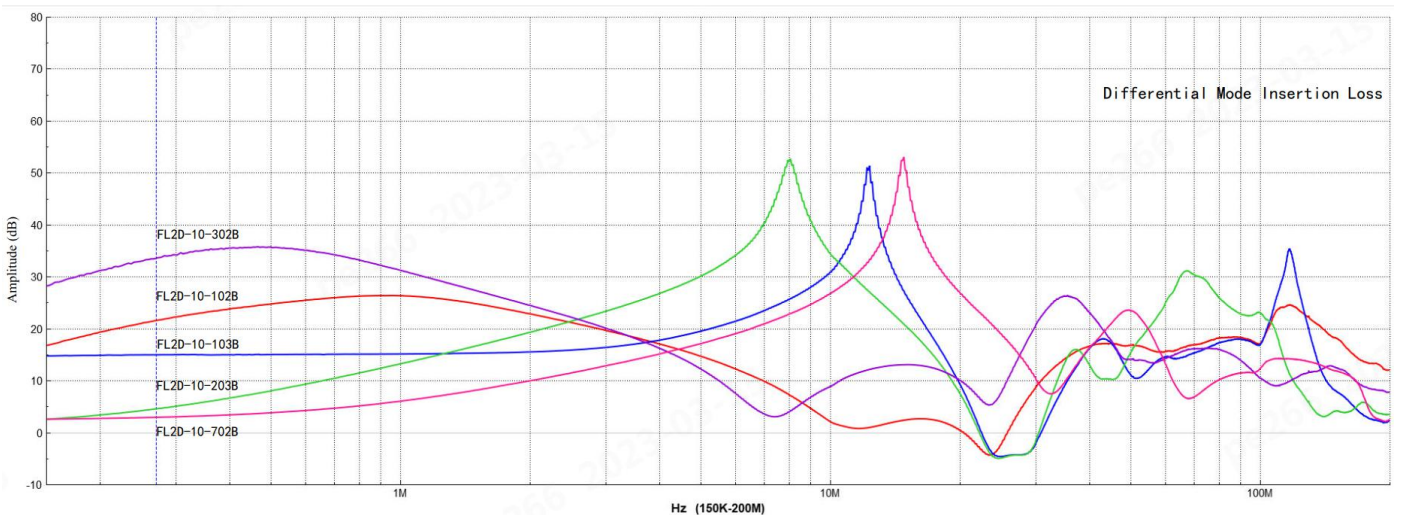
Schematic Diagram Of Pin Mark



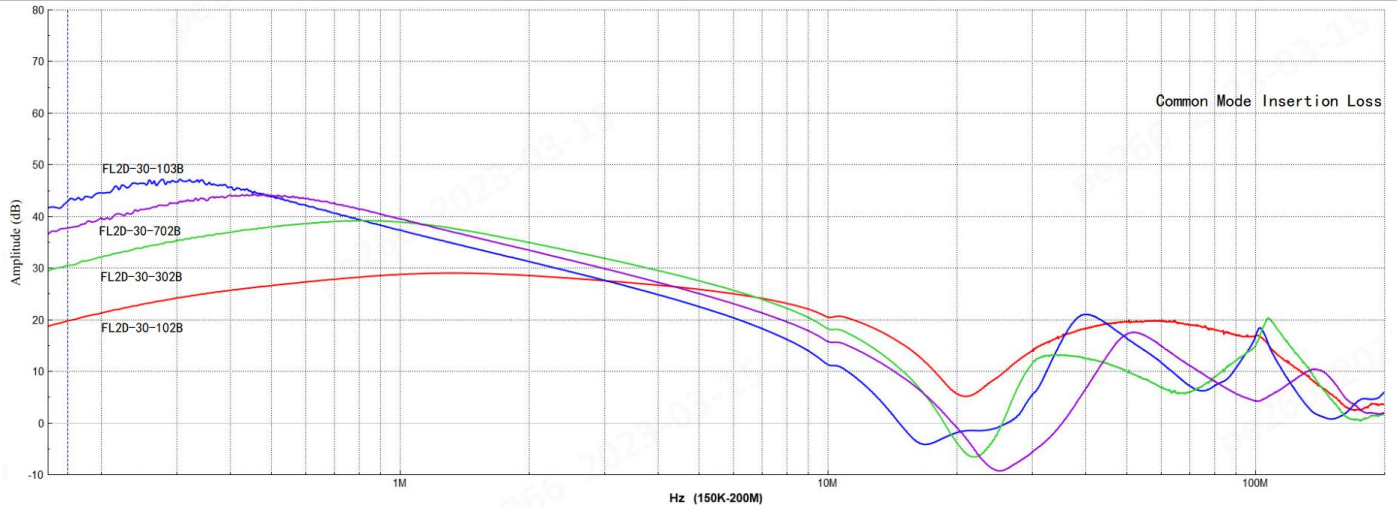
FL2D-10-xxxB Insertion Loss Specifications (reference value)



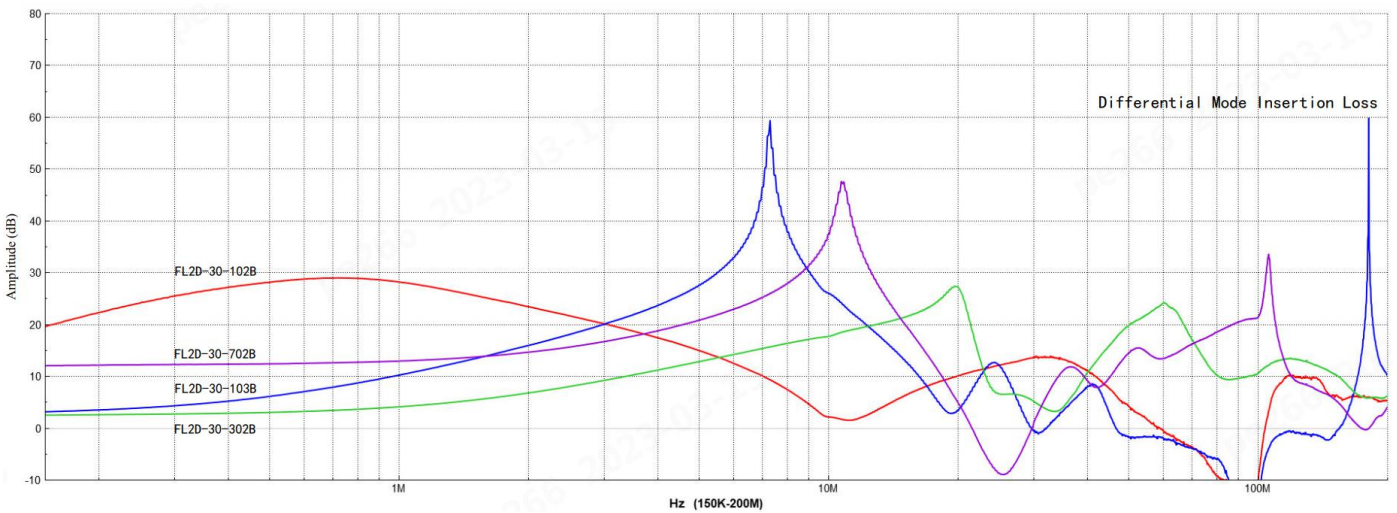
FL2D-10-xxxB Insertion Loss Specifications (reference value)



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

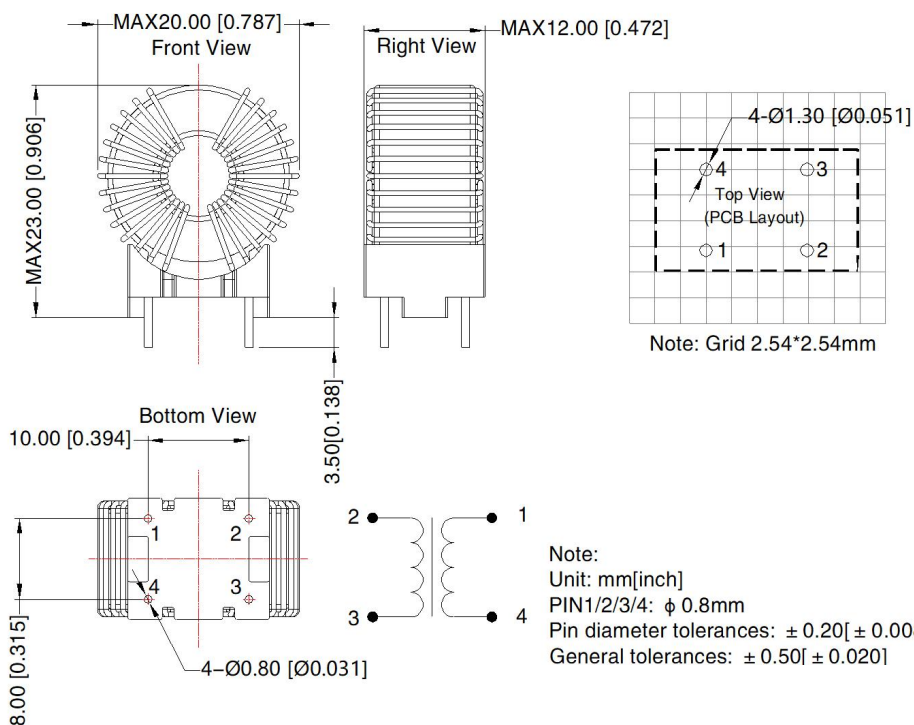


FL2D-30-xxxB Insertion Loss Specifications (reference value)



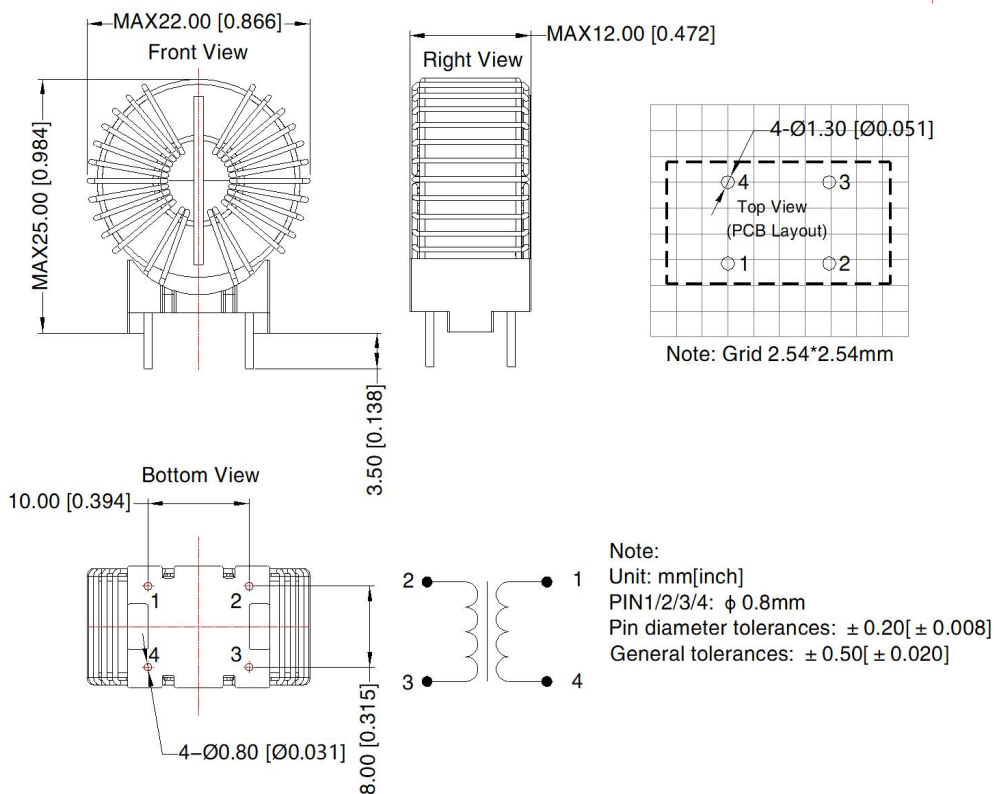
FL2D-10-102B、302B Appearance dimensions, suggested printing layout

THIRD ANGLE PROJECTION 




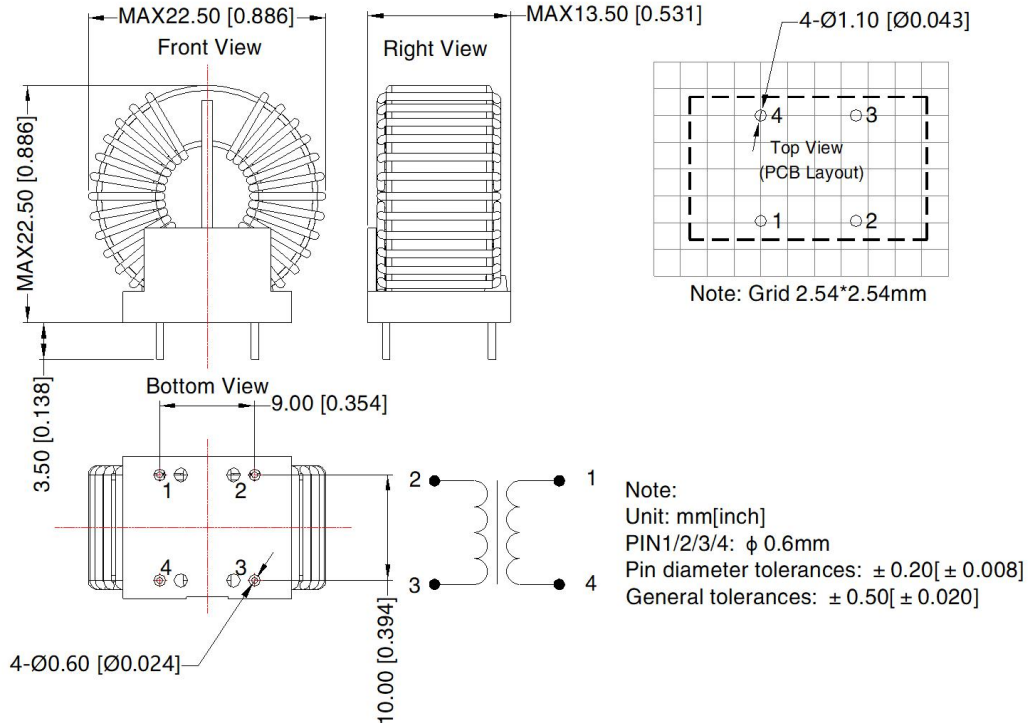
FL2D-10-203B、103B、702B Appearance dimensions, suggested printing layout

THIRD ANGLE PROJECTION 



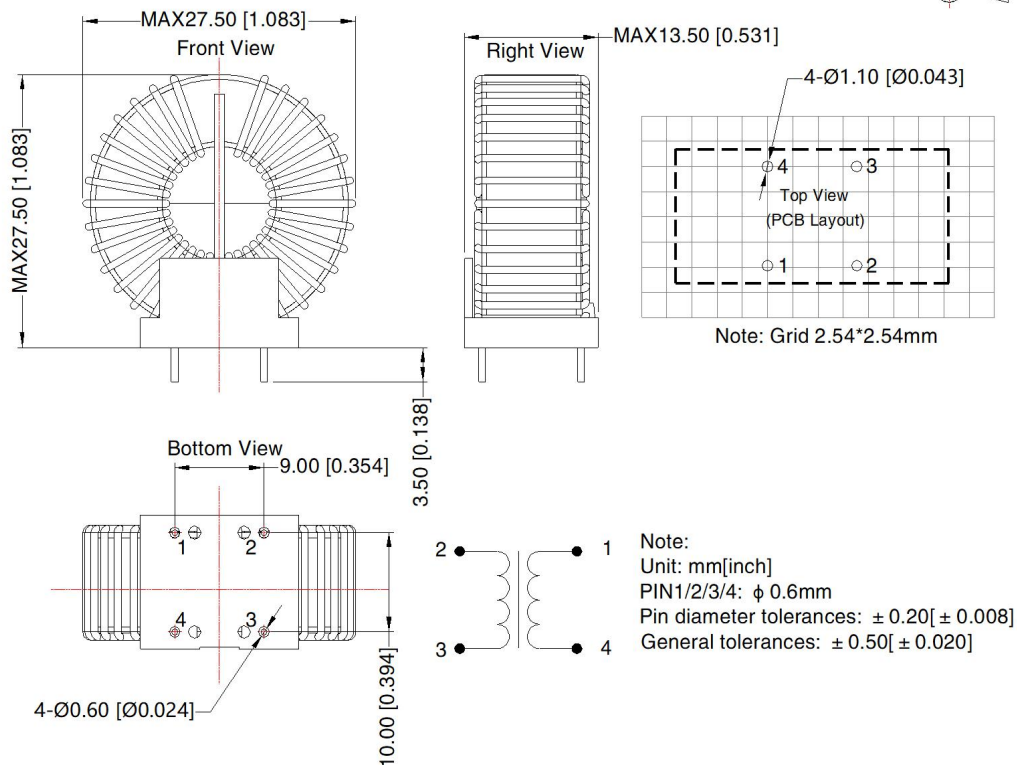
FL2D-30-102B、302B Appearance dimensions, suggested printing layout

THIRD ANGLE PROJECTION 

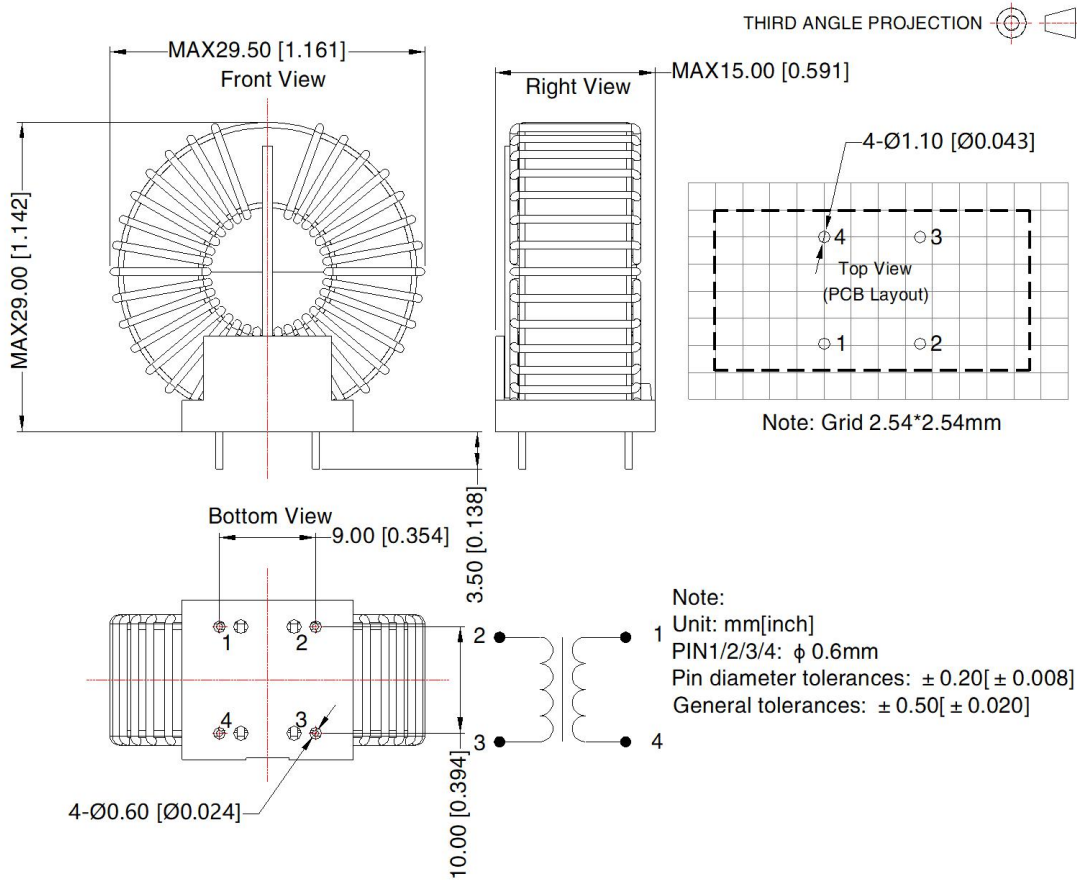


FL2D-30-702B Appearance dimensions, suggested printing layout

THIRD ANGLE PROJECTION 



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



Note:

1. For additional information on Product Packaging please refer to 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)
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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