

Filter Inductance



RoHS



FEATURES

- High reliability
- Effective anti-interference
- Good temperature characteristic (-40°C~+115°C)

The filter Inductance 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/output of the power module.

Selection Guide

Type	Model	Inductance (mH)(min)	Current (A)(max)	DCR(mΩ) (max)	Weight (g) (typ)	Size(mm) (L x W x H)
Amorphous inductance	FL2D-50-203	20	5	45	24	31.50 x 18.00 x 30.00 See Figure1
	FL2D-F0-302	3	60	1	285	62.00 x 40.00 x 58.50 See Figure2

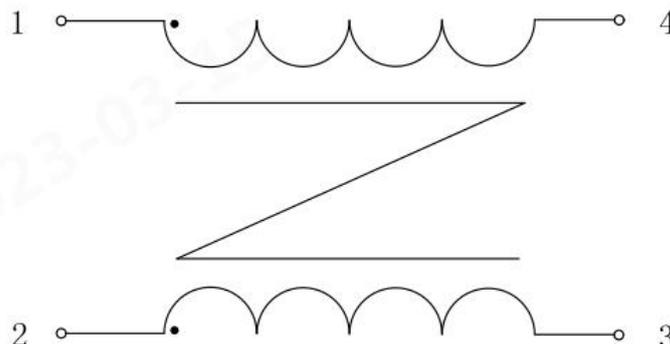
General Specifications

Item	Test Conditions	Min.	Typ.	Max.	Unit	
Operating Temperature *		-40	--	+115	°C	
Storage Temperature		-40	--	+105		
Storage Humidity	Non-Condensing	--	--	95	%	
Inductance	fo=10KHz, Uo=0.1V,T=25°C	FL2D-50-203	20	--	--	mH
		FL2D-F0-302**	3	--	--	
Isolation Voltage (COIL-COIL)	Electric strength test for 1 minute with a leakage current of 5mA max	--	--	1000	VAC	
Vibration		10~55Hz, 10g, X,Y,Z direction ,2mm				
Warranty	Ambient temperature: <40°C	3 years				

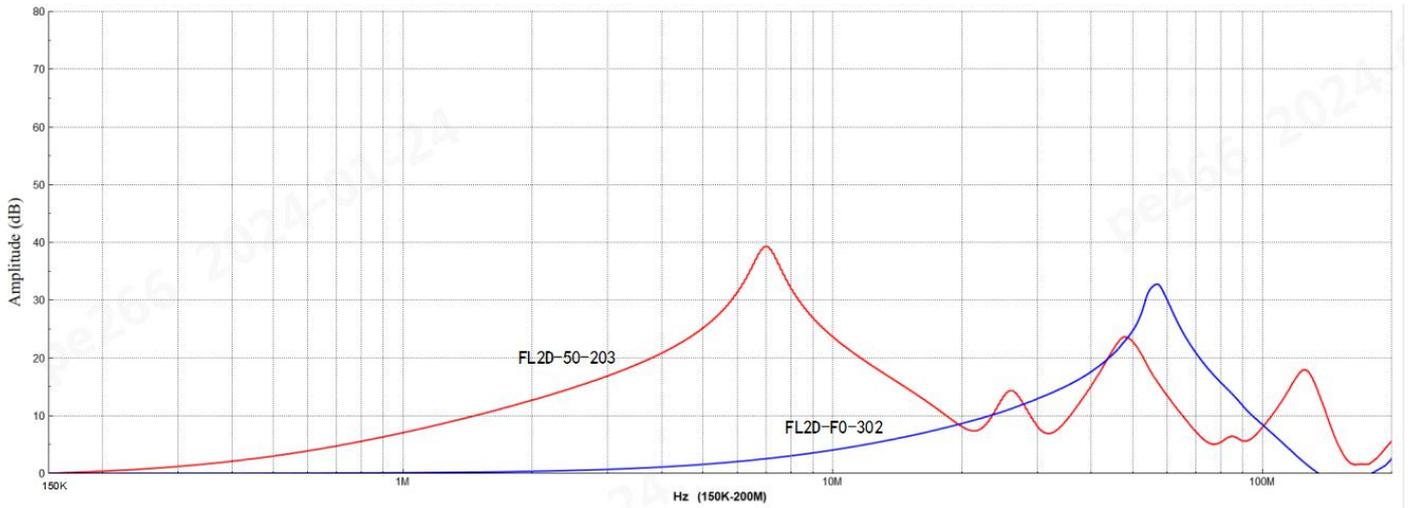
Note: *1.Operating Temperature range includes inductor self heating.

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

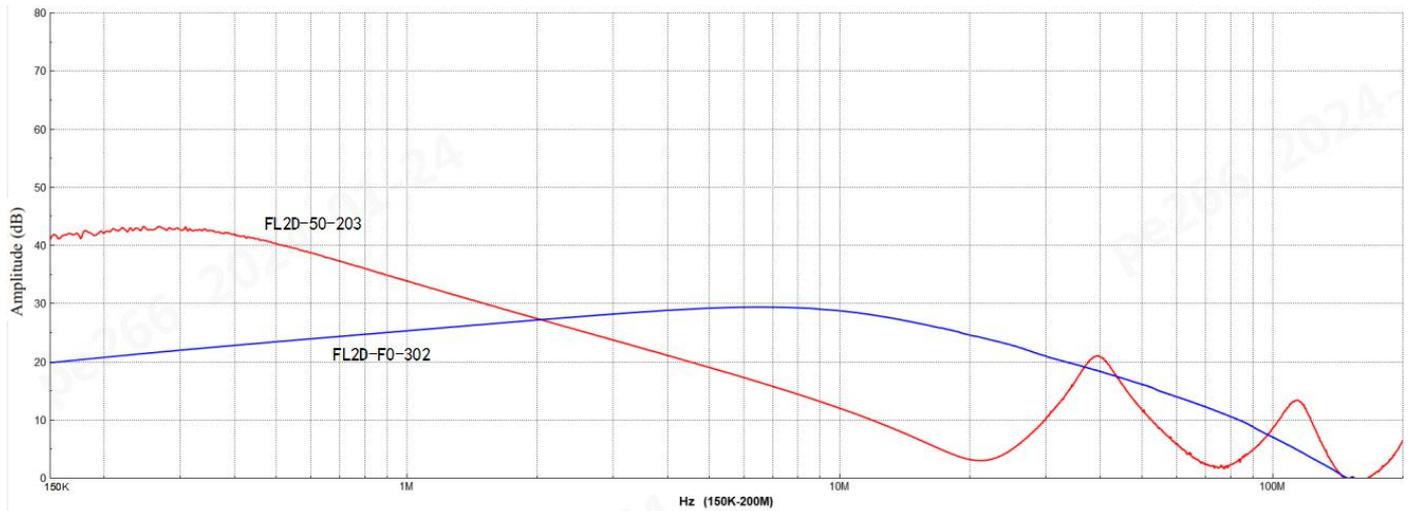
Schematic Diagram Of Pin Mark



Differential Mode Insertion Loss Specifications (reference value)



Common Mode Insertion Loss Specifications (reference value)



FL2D-50-203 Schematic Diagram Of Pin Mark

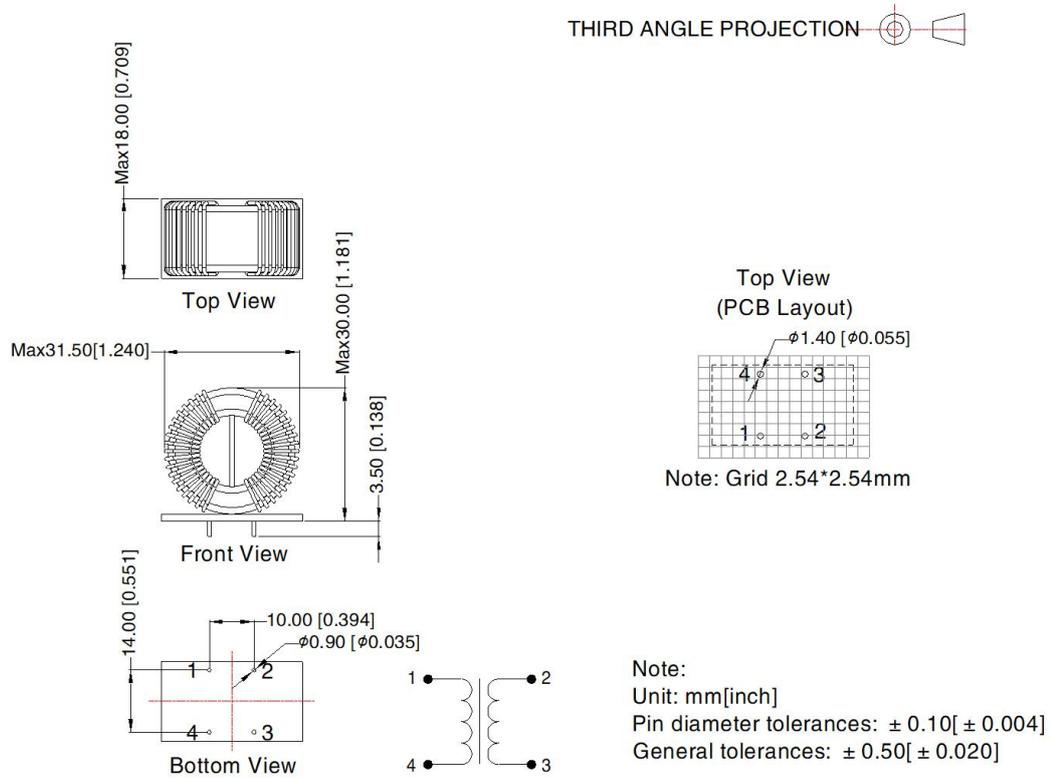


Fig. 1

FL2D- F0-302 Schematic Diagram Of Pin Mark

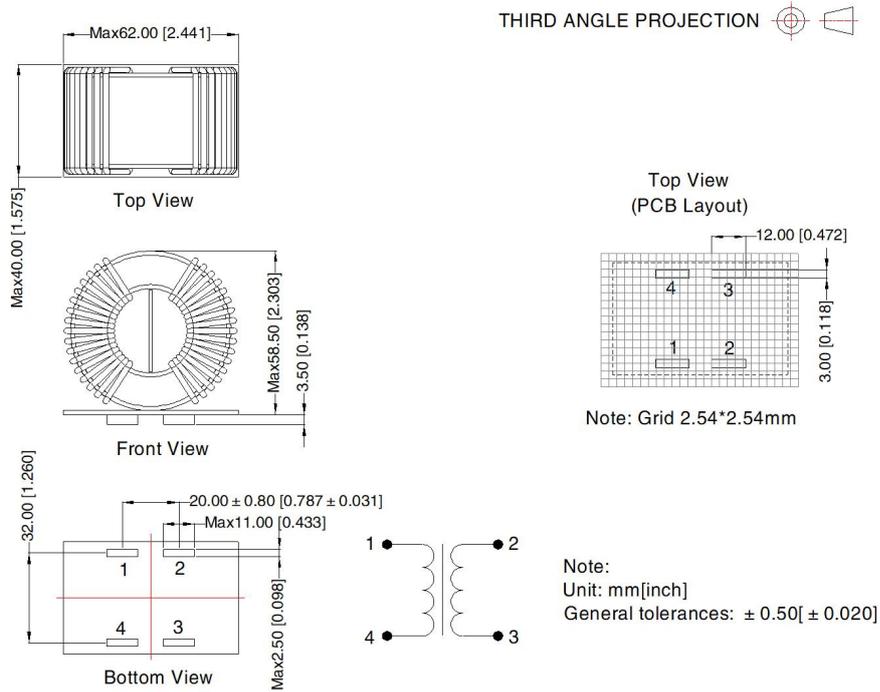


Fig. 2

Note:

- For additional information on Product Packaging please refer to www.mornsun-power.com. Packaging bag number: 58210394(FL2D-50-203); 58210398(FL2D-F0-302);
- Unless otherwise specified, data in this data sheet should be tested under the conditions of Ta=25°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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