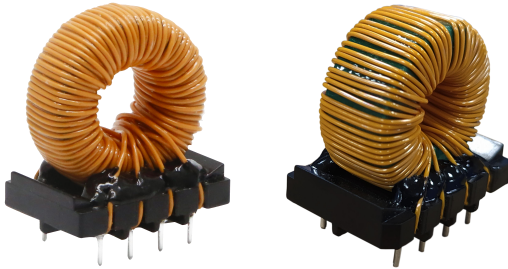


Common Mode Filter

FEATURES



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

RoHS

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

选型表

Model	Inductance (min)(mH)	Inductance (typ)(mH)	Operating Voltage(VAC) (max)	Operating Voltage(VDC) (max)	Current (A)(max)	DCR(mΩ) (max)	Weight (g) (typ)	Size(mm) (L x W x H)
FL4D-20-102A	0.65*2	1*2	600	800	2	50*2	15	27.5 x 18.5 x30.0
FL4D-20-302A	1.95*2	3*2	600	800	2	80*2	17	27.5 x 18.5 x30.0
FL4D-20-702A	4.55*2	7*2	600	800	2	100*2	19	27.5 x 18.5 x30.0
FL4D-Z8-302-XJ	3*4	170*4	600	1000	1	170*4	17	25.0 x 17.0 x 27.0

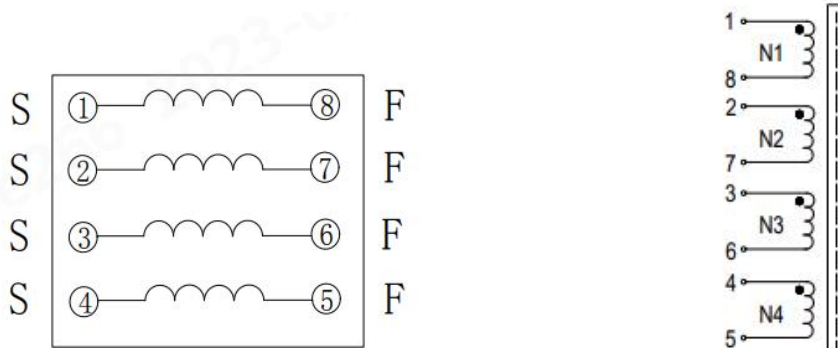
General Specifications

Item	Test Conditions	Min.	Typ.	Max.	Unit	
Operating Temperature*		-40	--	+105	°C	
Storage Temperature		-40	--	+105		
Pin Soldering Temperature	Wave soldering, maximum 10 seconds.	+255	+260	+265		
Resistance**	Manual soldering, with the solder joint 1.5mm away from the shell, for 10 seconds.	--	--	+300		
Storage Humidity		--	--	95	%RH	
Inductance	fo=10KHz, Uo=0.1V	Others	--	35	--	%
		FL4D-Z8-302-XJ	-40	--	+50	
Isolation Voltage (Any two phase)	Electric strength test for 1 minute with a leakage current of 5mA max	Others	--	--	3000	VAC
		FL4D-Z8-302-XJ	--	--	2500	VAC
Vibration		10~150Hz 5g Z direction				

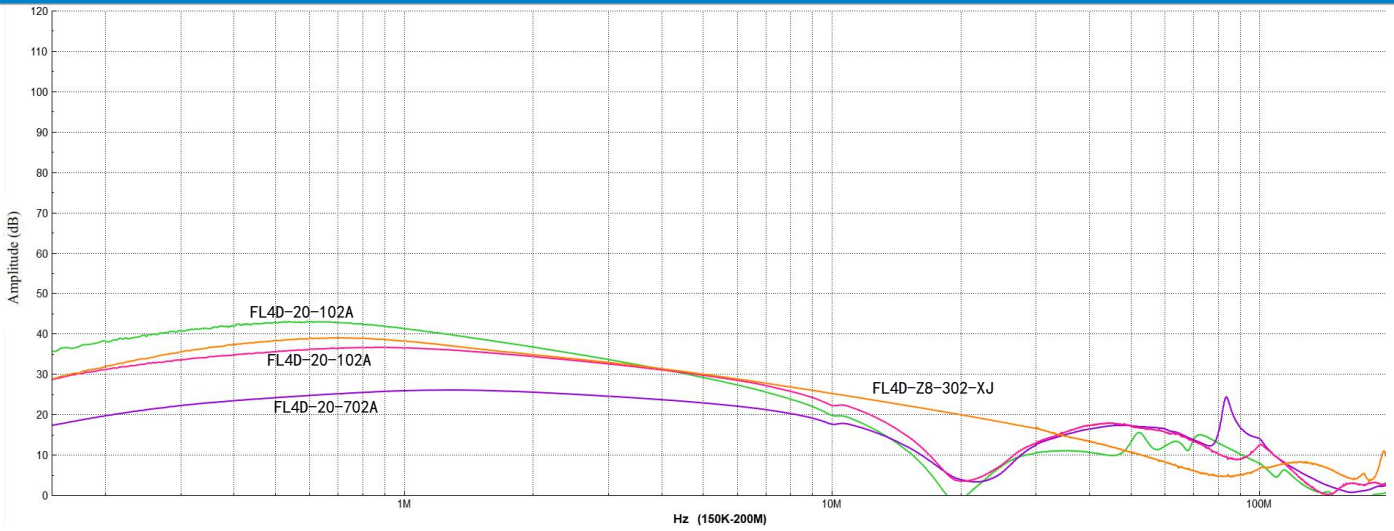
Note: *Operating Temperature range includes inductor self heating.

**The pin soldering temperature is not the actual setting temperature of the soldering iron; it is the temperature required for a good solder joint. The actual setting temperature for the customer needs to be determined based on the thickness of the PCB, the size of the copper foil, the power of the soldering iron, and the selection of the soldering iron tip, taking all these factors into account.

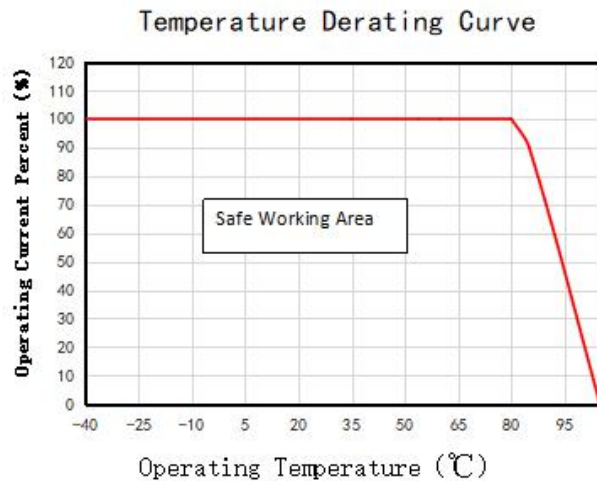
Schematic Diagram Of Pin Mark



FL4D-XX-XXX Common Mode Insertion Loss Specifications (reference value)



Temperature Derating Curve (Reference Value)

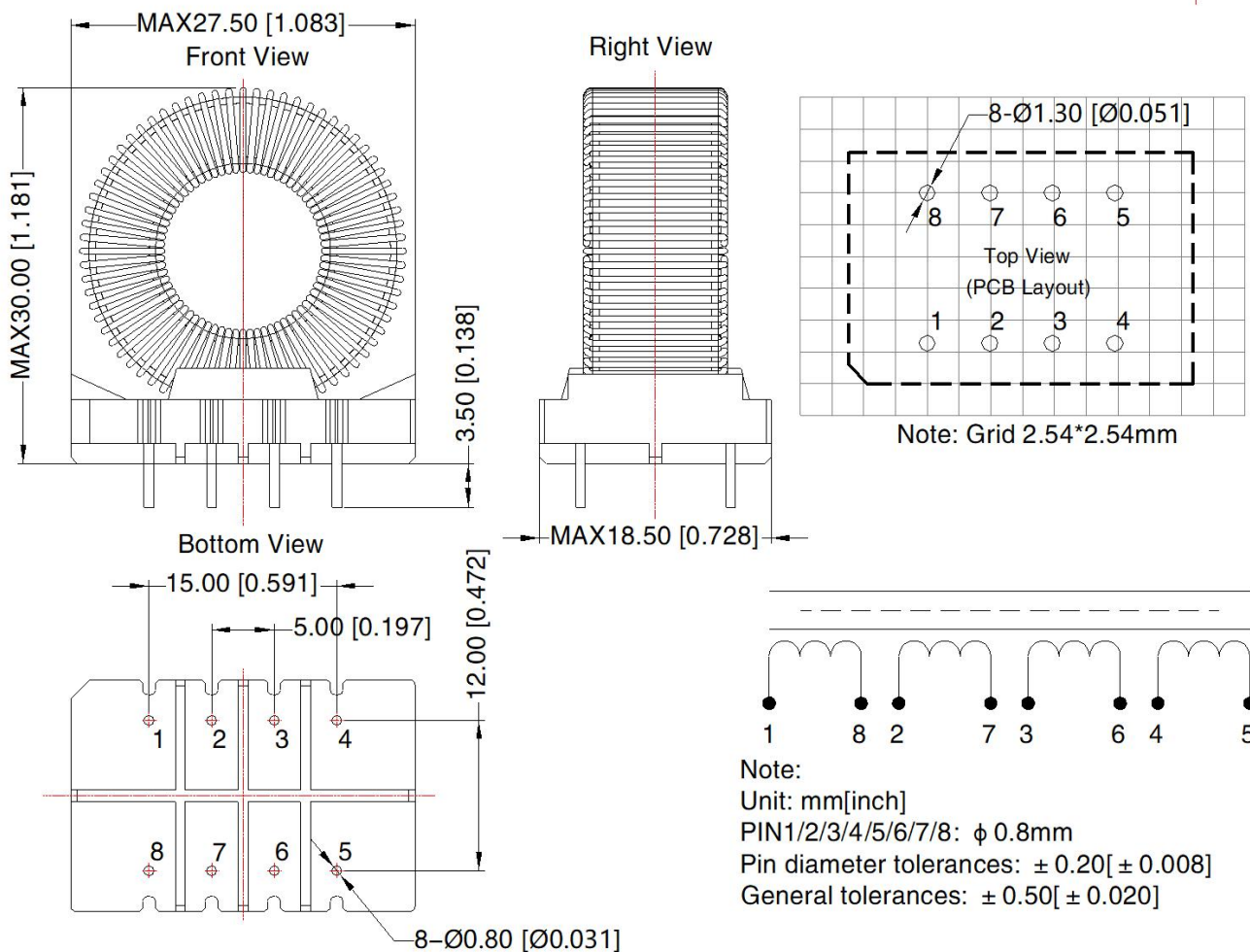


Note: This product is suitable for use in safe working areas, such as in non-safe working areas, it is recommended to use forced air cooling and other heat

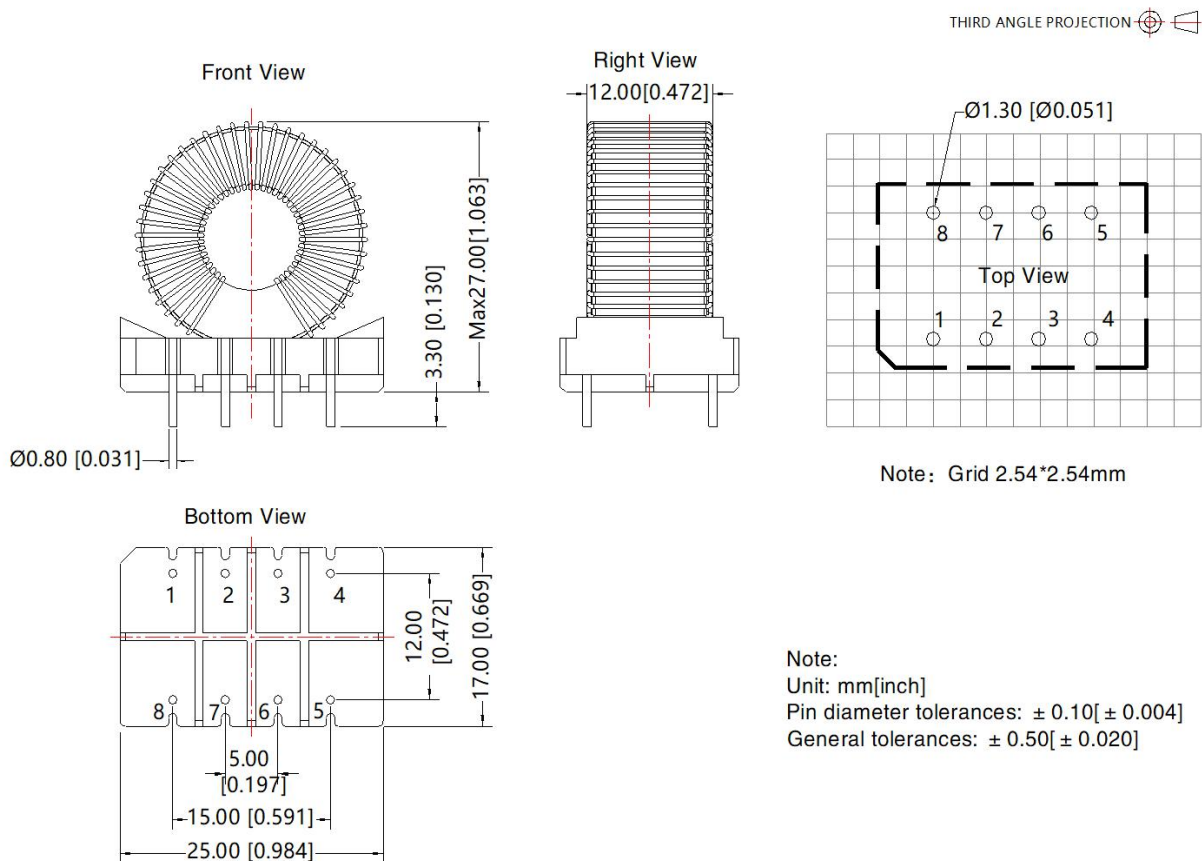
dissipation measures.

FL4D-20-102A, 302A, 702A Appearance Dimensions, Suggested Printing Layout

THIRD ANGLE PROJECTION



FL4D-Z8-302-XJ Appearance Dimensions, Suggested Printing Layout



Note:

- For additional information on Product Packaging please refer to www.mornsun-power.com. Packaging bag number: 58220139

2. Unless otherwise specified, data in this data sheet should be tested under the conditions of $T_a=25^{\circ}\text{C}$, 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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