EMC Filter

FILTER2

MORNSUN®

Anti-interference Filter



Patent Protection **RoHS**

FEATURES

- Compact size
- International standard pin-out
- UL94-V0 Package

It is suitable for applications that are sensitive to noise, such as analog circuits. After adding a FILTER2 at the input of the module, the output noise can be greatly reduced.

Selection Guide

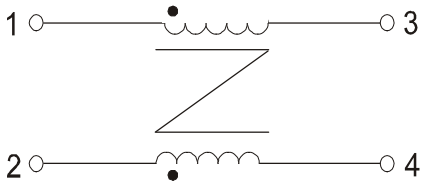
Part Number	Inductance value (μH)(Typ.)	Rated current (A)(max.)	DCR(Ω)(Max.)	Weight (g)(typ)
FILTER2	1500*2 (Ta=25℃)	0.6	0.20	1.8

General Specifications

Item	Operating Conditions	Min.	Typ.	Max.	Unit
Storage humidity		--	--	95	%RH
Operating temperature		-40	--	+105	℃
Storage temperature		-55	--	+125	
Pin Soldering Temperature Resistance*	Wave soldering, maximum 10 seconds.	+255	+260	+265	
	Manual soldering, with the solder joint 1.5mm away from the shell, for 10 seconds.	--	--	+300	

Note: *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 function



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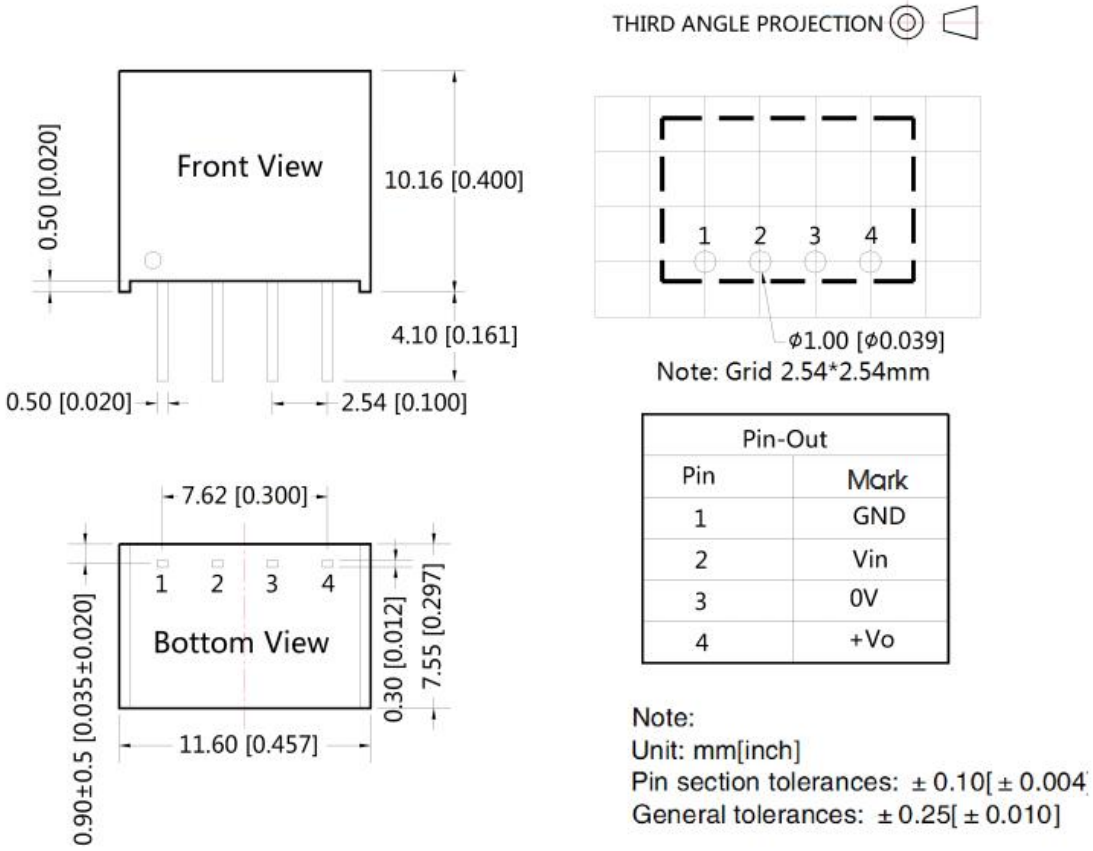
FILTER2 Insertion Loss Specifications (reference value)



FILTER2 Dimensions and Recommended Layout



Pin-Out	
Pin	Mark
1	GND
2	Vin
3	0V
4	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10[± 0.004
General tolerances: ± 0.25[± 0.010]

Notes:

1. For additional information on Product Packaging please refer to www.mornsun-power.com. Packing bag number: 58200003(FILTER2);
2. Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25℃, humidity<75%RH with nominal input voltage and rated output load;
3. All index testing methods in this datasheet are based on our company corporate standards;
4. The performance parameters of the product models listed in this manual are as above, but some parameters of non-standard model

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products may exceed the requirements mentioned above. Please contact our technicians directly for specific information;

5. We can provide product customization service, please contact our technicians directly for specific information;

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