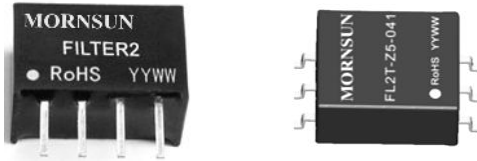


## FILTER2 & FL2T-Z5-041

Anti-interference Filter



Patent Protection **RoHS**

It is suitable for applications that are sensitive to noise, such as analog circuits. After adding a FILTER2/FILTER2T/FL2T-Z5-041 at the input of the module, the output noise can be greatly reduced.

### FEATURES

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

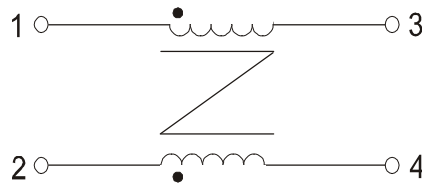
### Selection Guide

Part Number	Inductance value (μH)(Typ.)	Rated current (A)(max.)	DCR(Ω)(Max.)	Weight (g)(typ)
FILTER2	1500*2 (Tc=25℃)	0.6	0.20	1.8
FL2T-Z5-041	32*2	0.5	0.04	0.7

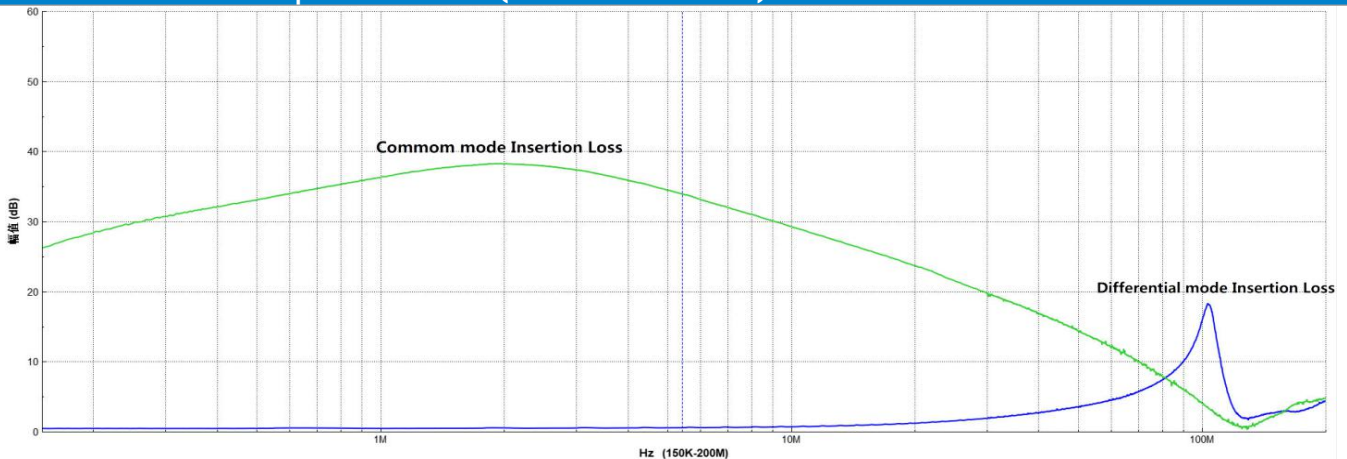
### General Specifications

Item	Operating Conditions	Min.	Typ.	Max.	Unit
Storage humidity		--	--	95	%RH
Operating temperature		-40	--	+105	℃
Storage temperature		-55	--	+125	
Lead temperature	FILTER2 (1.5mm from case for 10 seconds)	--	--	300	
	FL2T-Z5-041 (1.5mm from case for 10 seconds)	--	--	260	

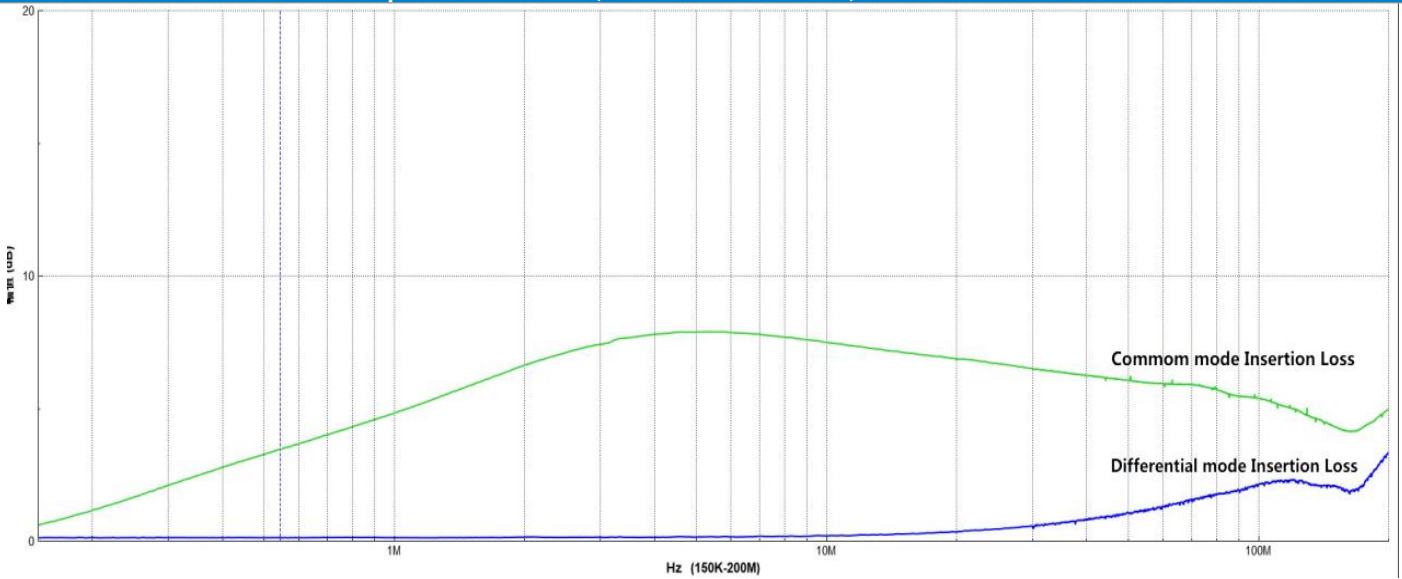
### Schematic diagram of pin function



### FILTER2 Insertion Loss Specifications (reference value)



FL2T-Z5-041 Insertion Loss Specifications (reference value )



FILTER2 Dimensions and Recommended Layout

THIRD ANGLE PROJECTION

**Front View**

Dimensions: 10.16 [0.400] height, 0.50 [0.020] base width, 4.10 [0.161] pin height, 0.50 [0.020] and 2.54 [0.100] pin spacing.

**Bottom View**

Dimensions: 11.60 [0.457] width, 7.62 [0.300] pin spacing, 0.30 [0.012] and 7.55 [0.297] pin offset.

**Pin-Out**

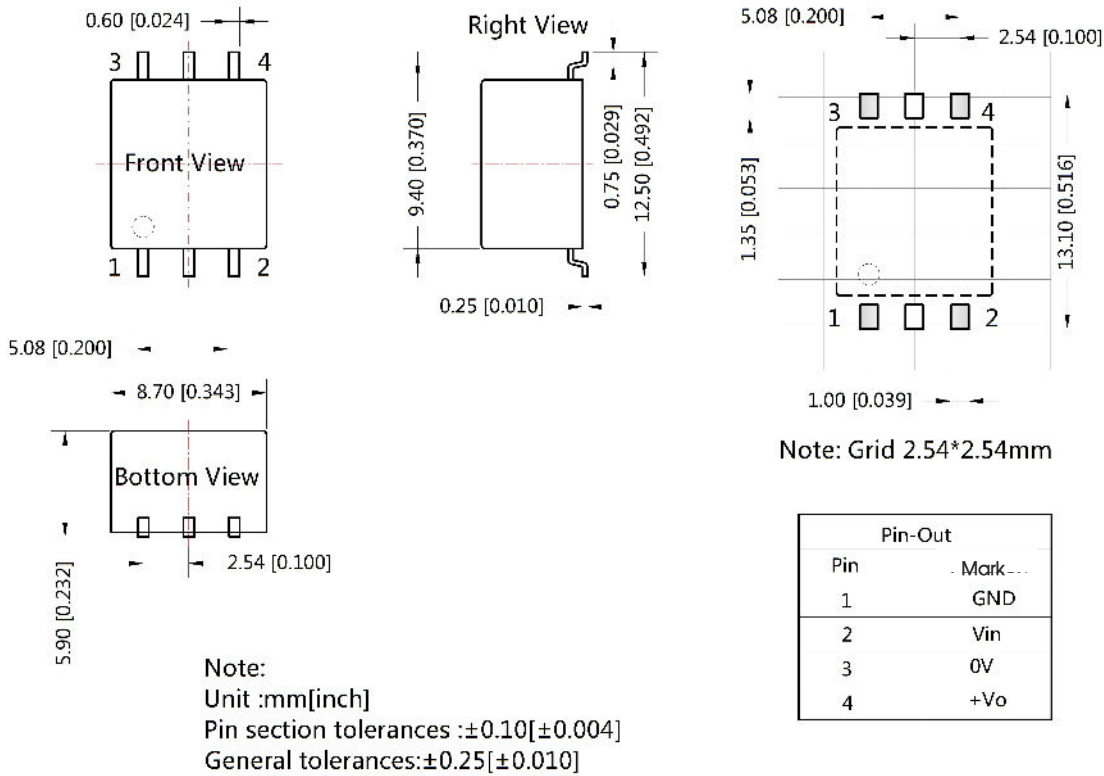
Pin	Mark
1	GND
2	Vin
3	0V
4	+Vo

Note: Grid 2.54\*2.54mm

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

FILTER2T/FL2T-Z5-041 Dimensions and Recommended Layout

THIRD ANGLE PROJECTION 



### Notes:

1. For additional information on Product Packaging please refer to [www.mornsun-power.com](http://www.mornsun-power.com). Packing bag number: 58200003(FILTER2), 58200091(FILTER2T/ FL2T-Z5-041);
2. Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25°C, 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 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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