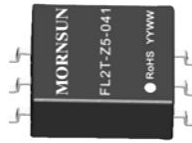
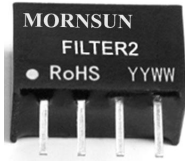


FILTER2 & FL2T-Z5-041

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

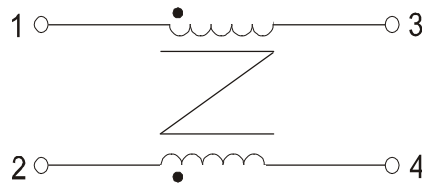
Selection Guide

| 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 | |

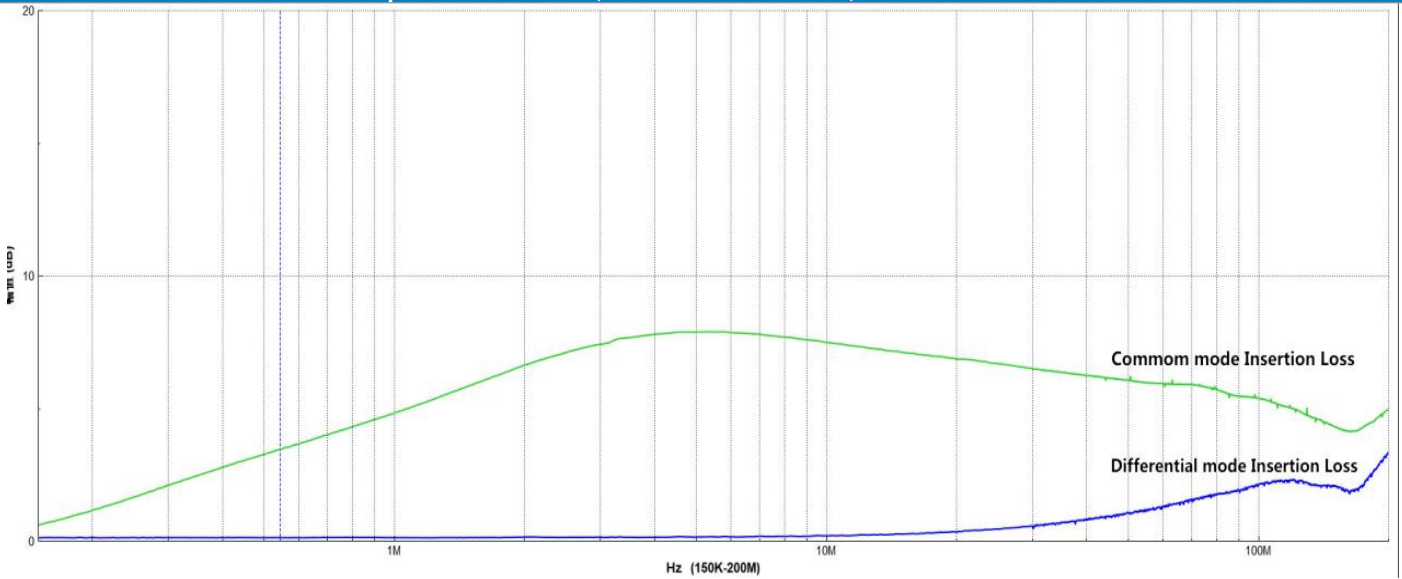
Schematic diagram of pin function



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:
 Total height: 10.16 [0.400]
 Pin height: 4.10 [0.161]
 Pin pitch: 2.54 [0.100]
 Pin diameter: 0.50 [0.020]

Bottom View Dimensions:
 Total width: 11.60 [0.457]
 Pin pitch: 2.54 [0.100]
 Pin diameter: 0.90±0.5 [0.035±0.020]
 Pin offset: 7.62 [0.300]
 Pin offset: 7.55 [0.297]
 Pin offset: 0.30 [0.012]

Pin-Out Table:

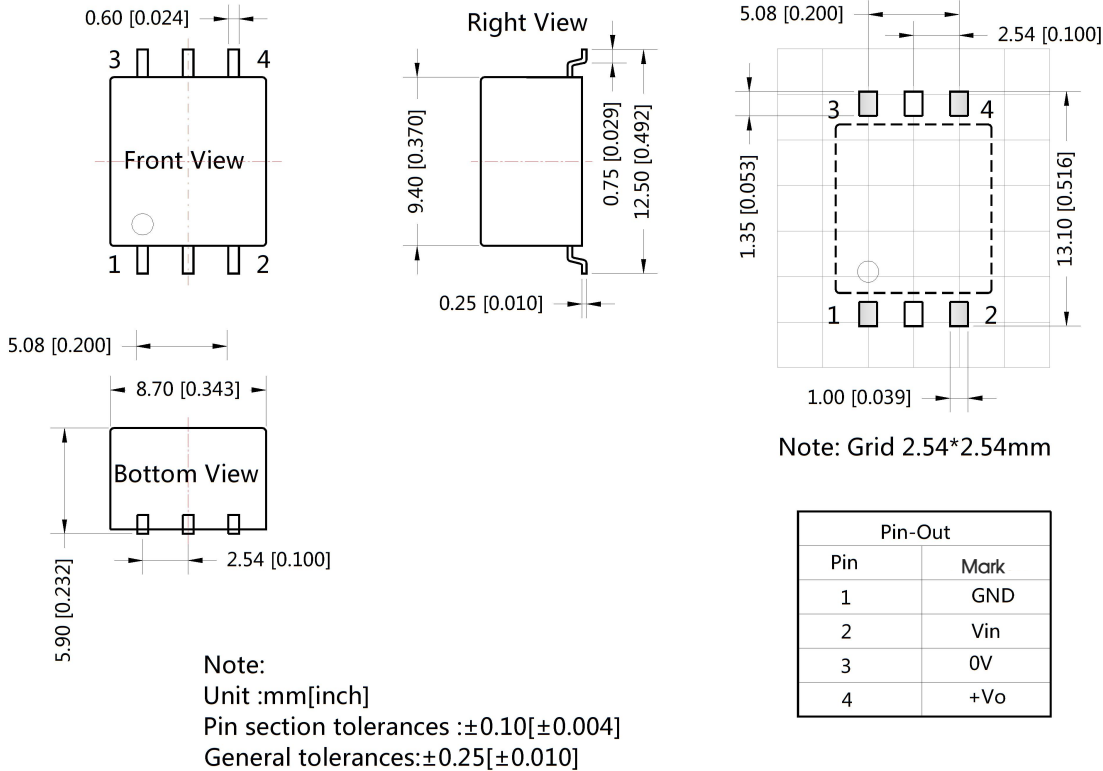
| Pin | Mark |
|-----|------|
| 1 | GND |
| 2 | Vin |
| 3 | 0V |
| 4 | +Vo |

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. 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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