

Common Mode Filter



RoHS

FEATURES

- Good temperature characteristic
- Compact size
- Meet UL508 isolation require

This model applies to the analog circuit is more sensitive to noise and EMC . After adding a FL2D-xx-xxx, can substantially reduce the port noise, and it can substantially improve the EMS performance.

Selection Guide

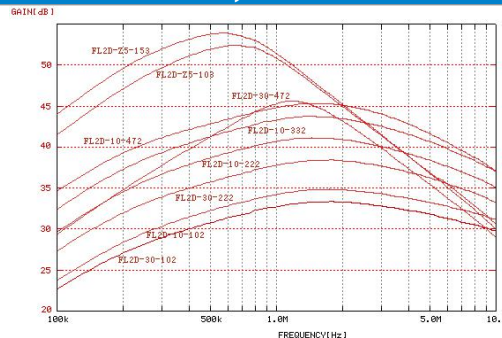
| Model | Inductance (μH)(typ) | Current (A)(max) | DCR(mΩ) (typ) | Weight (g) (typ) | Size(L*W*H) |
|-------------|----------------------|------------------|---------------|------------------|--------------|
| FL2D-Z5-103 | 10000*2 | 0.5 | 500*2 | 4.5 | See Figure 1 |
| FL2D-Z5-153 | 15000*2 | 0.5 | 600*2 | 4.5 | See Figure 1 |
| FL2D-Z5-223 | 22000*2 | 0.5 | 650*2 | 4.5 | See Figure 1 |
| FL2D-10-102 | 1000*2 | 1.0 | 70*2 | 4.5 | See Figure 1 |
| FL2D-10-222 | 2200*2 | 1.0 | 90*2 | 4.5 | See Figure 1 |
| FL2D-10-332 | 3300*2 | 1.0 | 100*2 | 4.5 | See Figure 1 |
| FL2D-10-472 | 4700*2 | 1.0 | 140*2 | 4.5 | See Figure 1 |
| FL2D-30-102 | 1000*2 | 3.0 | 40*2 | 4.5 | See Figure 1 |
| FL2D-30-222 | 2200*2 | 3.0 | 50*2 | 4.5 | See Figure 1 |
| FL2D-30-472 | 4700*2 | 3.0 | 70*2 | 4.5 | See Figure 1 |
| FL2D-10-682 | 6800*2 | 1 | 160*2 | 6.5 | See Figure 2 |
| FL2D-10-822 | 8200*2 | 1 | 180*2 | 6.5 | See Figure 2 |

General Specifications

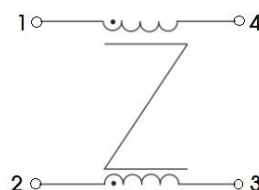
| Item | Test Conditions | Min. | Typ. | Max. | Unit |
|-----------------------|------------------------|------|------|------|------|
| Operating Temperature | | -25 | -- | 105 | °C |
| Storage Temperature | | -40 | -- | 105 | |
| Storage Humidity | | -- | -- | 95 | % |
| Inductance | fo=1KHz, Uo=0.3V | -35 | -- | -- | % |
| Withstand Voltage | Leakage current Io=1mA | -- | -- | 2000 | VDC |

Note: Operating Temperature range includes inductor self heating.

Attenuation specifications (reference value)



Pin Function Caption



Dimensions and Recommended Layout

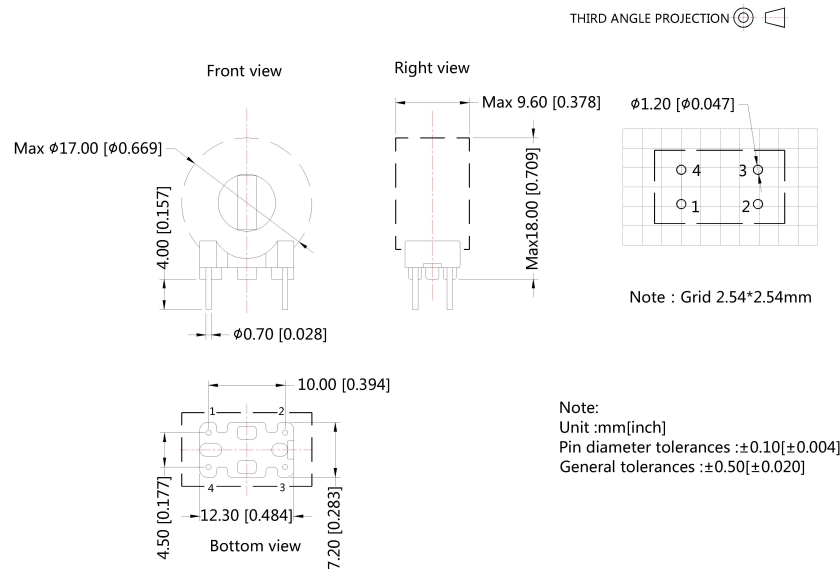


Fig 1

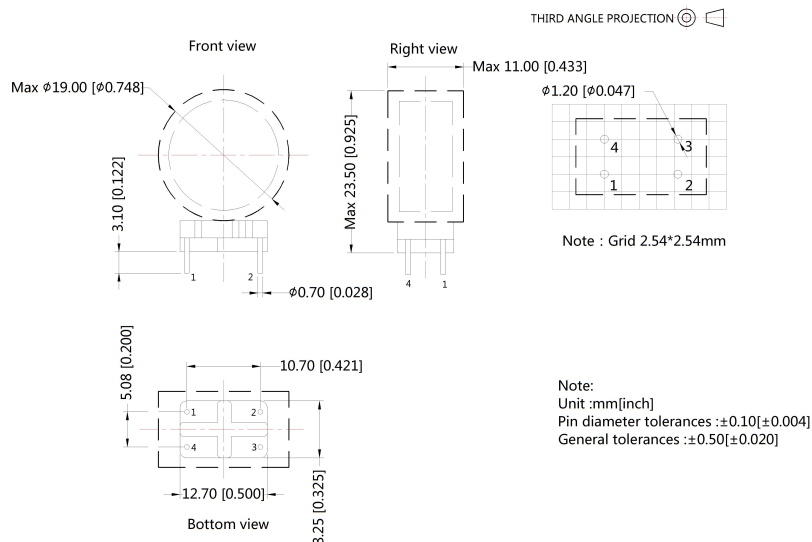


Fig 2

Note:

1. Packing Information please refer to 'Product Packing Information'. Packing bag number: 58200055 (FL2D-10-682/FL2D-10-822), 58220018 (others);
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 our Company's 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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