

## FC-LCL 2208-121-25A Common Mode Line Filter

### FC-LCL2208-121-25A –Series

Low Primary DCR version

High current carrying capacity

Low profile, AC/DC converter

High frequency DC/DC converter

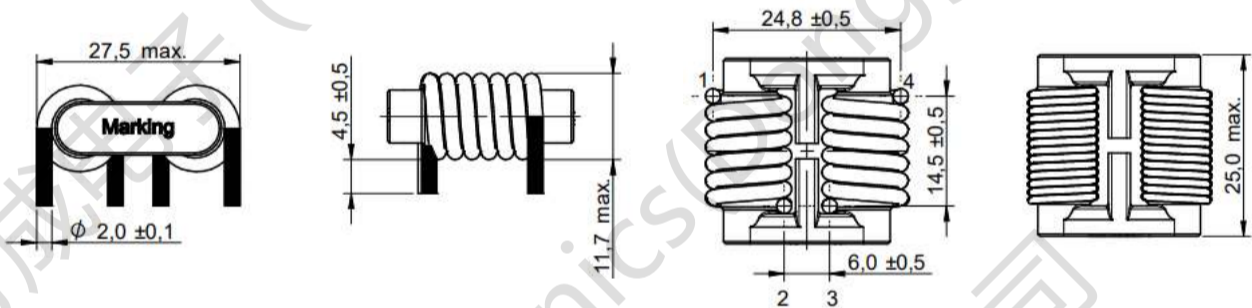
Ambient temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

Storage temperature Component:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

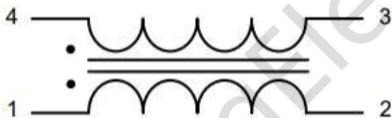
Stable stray inductor for common difference mode differential mode filtering.



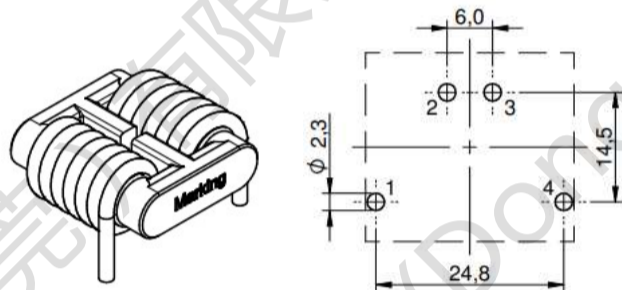
### 1. Dimensions:mm



### 2.Schematic:



### 3.LAYOUT RECOMMENDATION:(mm)



### 4. ELECTRIC CHARACTERICS

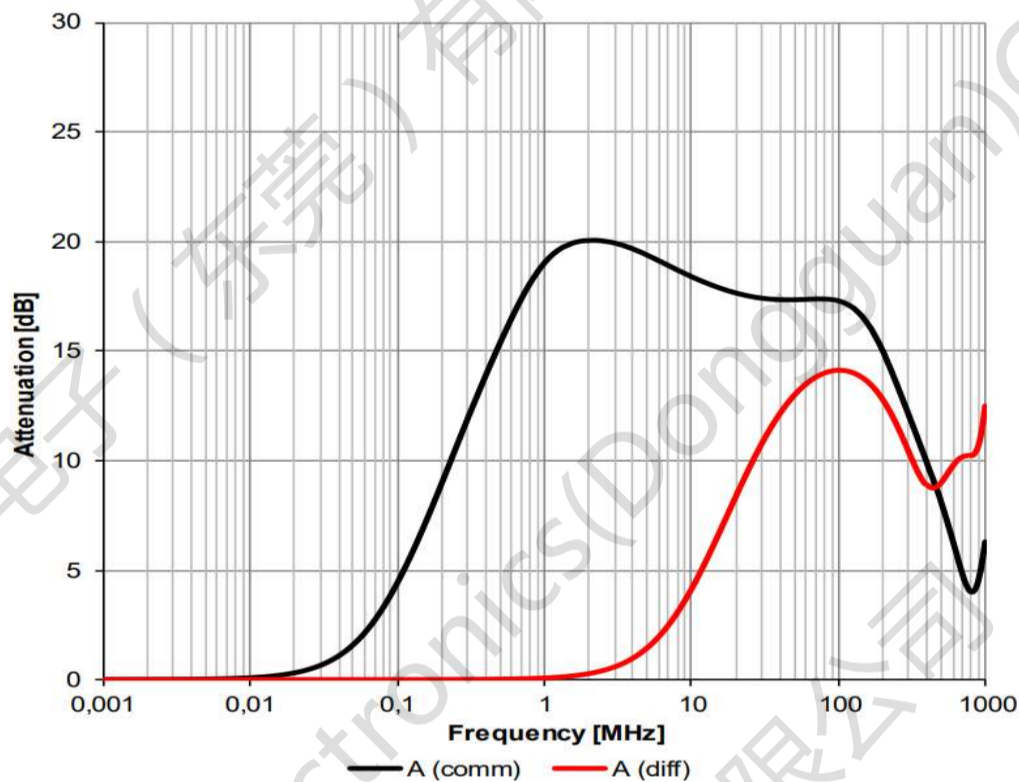
| Part Number           | Turns<br>Ration | Inductance<br>(uH) | LK(uH)<br>Typ.(4-3 short) | RDC<br>(mΩ)MAX | Rated<br>Current<br>(A) |
|-----------------------|-----------------|--------------------|---------------------------|----------------|-------------------------|
|                       |                 |                    |                           | 1-2<br>4-3     |                         |
| FC-LCL2208-121-25A-LF | 1:1             | $120 \pm 40\%$     | 4.1                       | 1.4            | 25.0                    |

**Electrical Specifications @ 25°C — Operating Temperature  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .**

Test equipment : Inductance 100KHZ/0.1V

Rated voltage :250V、AC; Hi-Pot ( N1-N2 ) : 1500 Vac / 60 Hz , 5 mA / 3sec

5. Typical Insertion Loss:



6. Typical Impedance Characteristics:

