

## Common Mode Power Line Choke

### FC-DLF1015-161B-LF

1.Suitable for common noise reduction of DC Line.

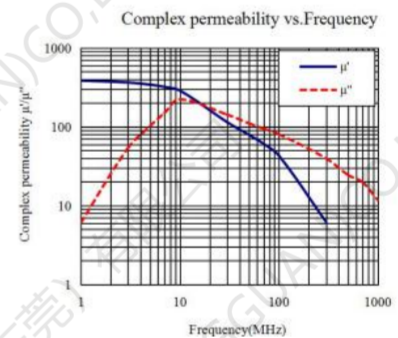
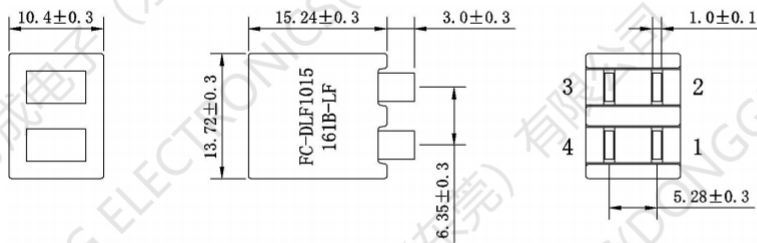
适用于直流输出线路 EMI

2.Common mode noise filter for broadband transmission or communication equipment

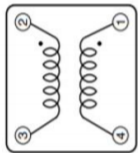
宽频传输或通信设备的共模噪声滤波器.



### 1.Dimensions:mm

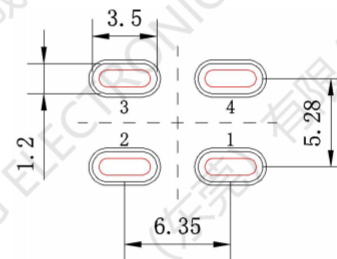


### 2. Schematic:



Application Fig

### 3.LAYOUT RECOMMENDATION



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Initial permeability	$\mu_i$	25°C	350±20%
Saturation magnetic flux density	$B_s$ (mT)	25°C	460
Relative loss factor	$\tan\delta/\mu_i$ ( $\times 10^{-6}$ )	25°C	$\leq 35$
Relative temperature coefficient	$\alpha_{\mu ir}$ ( $\times 10^{-6}/^\circ\text{C}$ )	20~60°C	25
Curie temperature	$T_c$ (°C)		>260
Electrical resistivity	$\rho$ ( $\Omega\cdot\text{m}$ )		$10^6$
Density	$d$ ( $\text{kg}/\text{m}^3$ )		$5.2 \times 10^3$

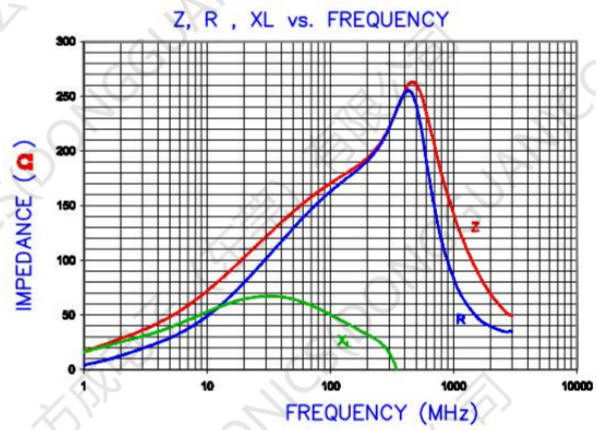
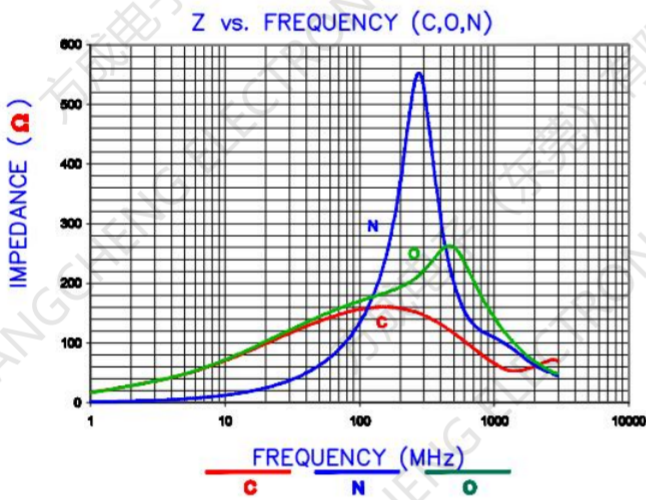
**FC-DLF1015-161B-LF Common Mode Power Line Choke**

**4. ELECTRIC CHARACTERICS**

Part Number	Inductance L:uH(typ)	Impedance 100MHZ( $\Omega$ )	RDC (m $\Omega$ ) @ 20°C	Current Rating (A)	Insulation test voltage(DCV)
FC-DLF1015-161B-LF	1.5	160-200	0.3	35.0min-75A	2250V

**Electrical Specifications @ 25°C — Operating Temperature -40°C to +125°C.**

**5. Impedance characteristics:**



**Application**

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