



Feedthrough Capacitor Filter

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1. Product Description

Feedthrough capacitors excel in broadband interference suppression within the GHz range. Their concentric structure allows for high insertion loss and excellent insulation resistance across a wide frequency range from kHz to GHz, all while maintaining a compact design to ensure superior quality and reliability.

2. Typical Applications

- Switching Power Supplies, UPS Systems
- Switches and Communication Base Stations
- Medical Equipment
- Shielding Rooms
- Mobile Shelters

3. Product Features

- Through Bulkhead Installation: Ensures effortless and reliable integration through bulkhead structures.
- Very Low Internal Series Inductance and Self-Healing Dielectrics: Equipped with minimal internal series inductance and advanced self-healing dielectric technology.
- High Insertion Loss Across a Wide Frequency Range (kHz to GHz): Provides outstanding insertion

loss performance across frequencies from kHz to GHz.

- Compliance with EMC Standards: Meets international and industry standards such as CISPR 16/25, IEC 61000-4-3, and MIL-STD-461, ensuring reliable test results and compliance.

3. Product Selection Table

Type	Rated Current	Rated Voltage	Capacitance (μF)	Dim.	Insertion Loss in dB
ND-2FC-0.22	2 A	250VAC/ 1000VDC	$0.22 \pm 10\%$	Fig 1	Fig 1
ND-2FC-1	2 A		$1 \pm 10\%$	Fig 1	Fig 2
ND-15FC-10	15 A		$10 \pm 10\%$	Fig 2	Fig 3
ND-15FC-2*10	15 A		$2*10 \pm 10\%$	Fig 3	Fig 4
ND-15FC-15	15 A		$15 \pm 10\%$	Fig 4	Fig 3
ND-63FC-33	63 A		$33 \pm 10\%$	Fig 5	Fig 4
ND-63FC-2*33	63 A		$2*33 \pm 10\%$	Fig 6	Fig 5
ND-85FC-45	85 A		$45 \pm 10\%$	Fig 7	Fig 5
ND-1600FC-120	1600 A		$120 \pm 10\%$	Fig 8	Fig 4
ND-1600FC-220	1600 A		$220 \pm 10\%$	Fig 9	Fig 5

Note: The capacitor can be customized based on customer's requirements.

4. Outline Drawing

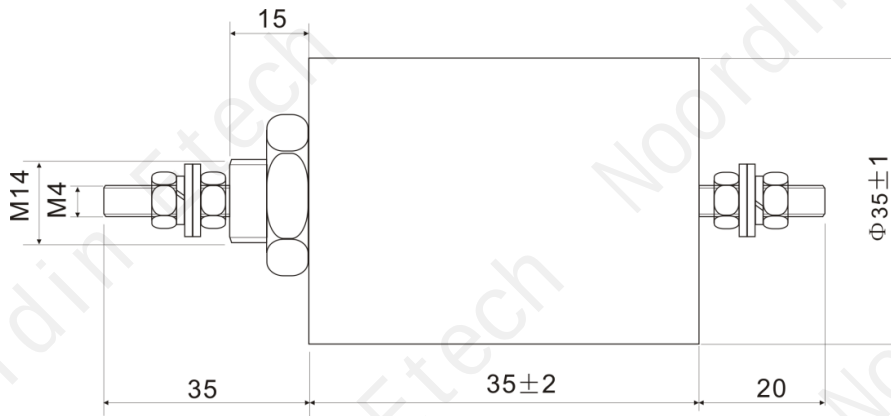


Fig.1

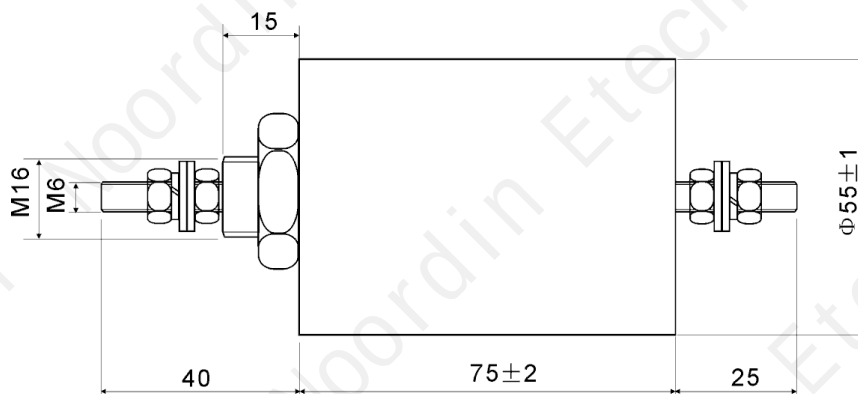


Fig.2

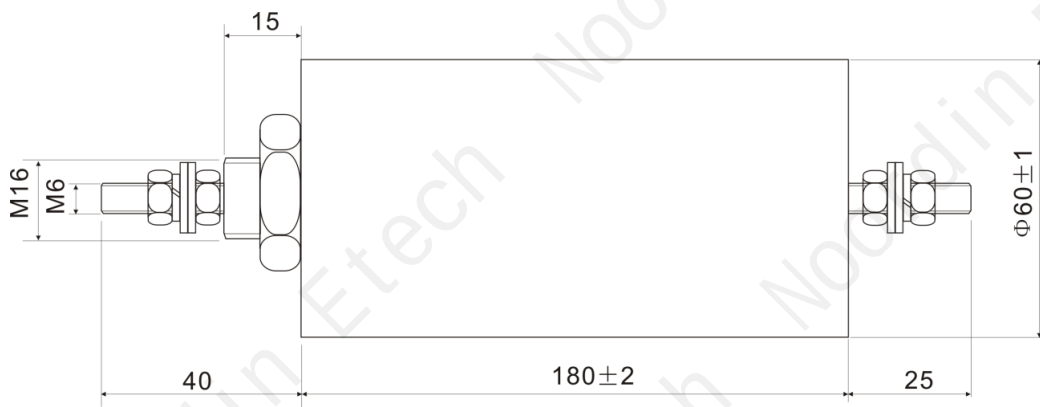


Fig.3

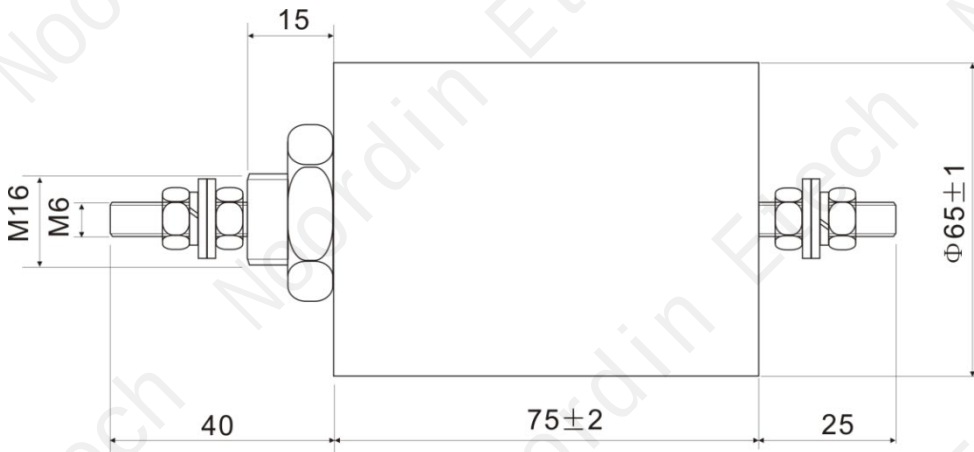


Fig.4

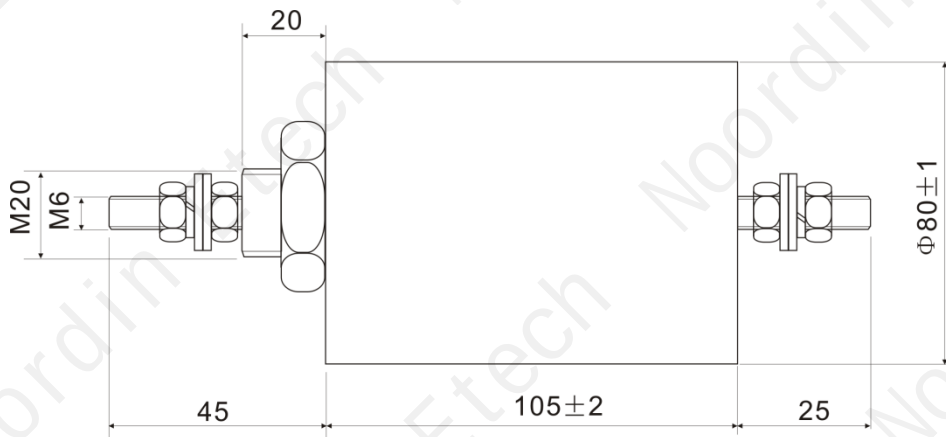


Fig.5

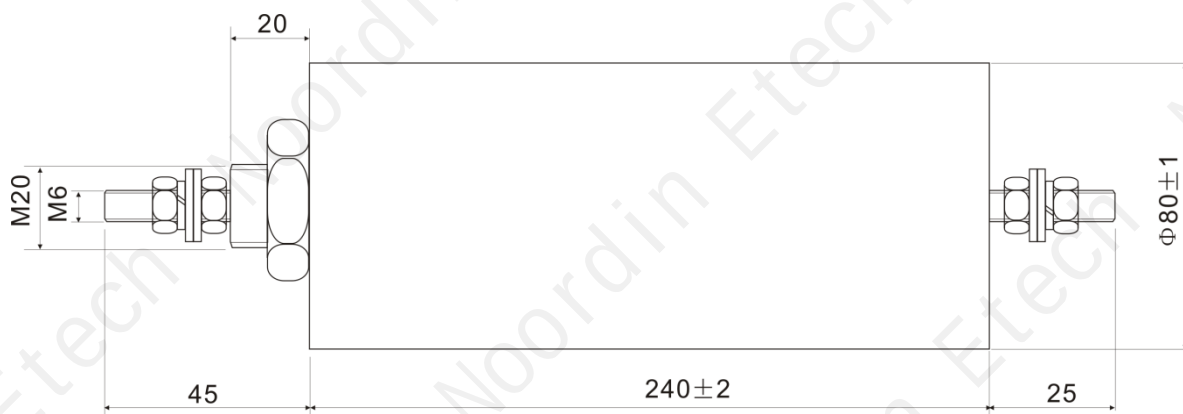


Fig.6

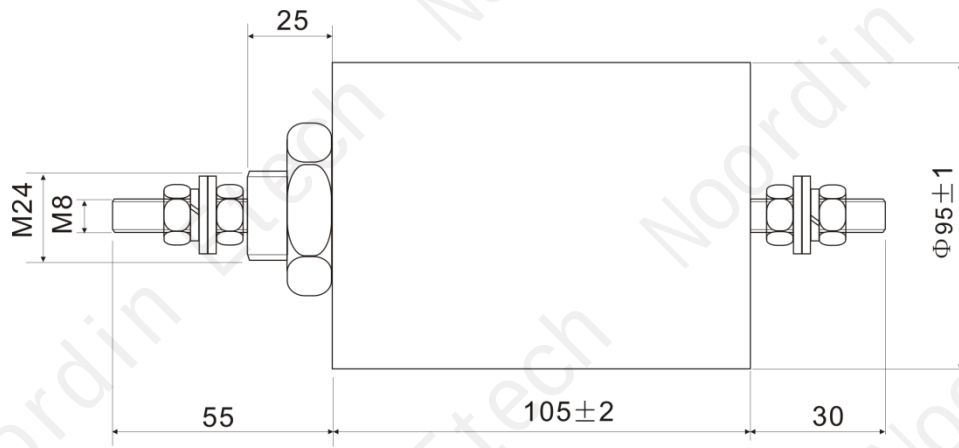


Fig.7

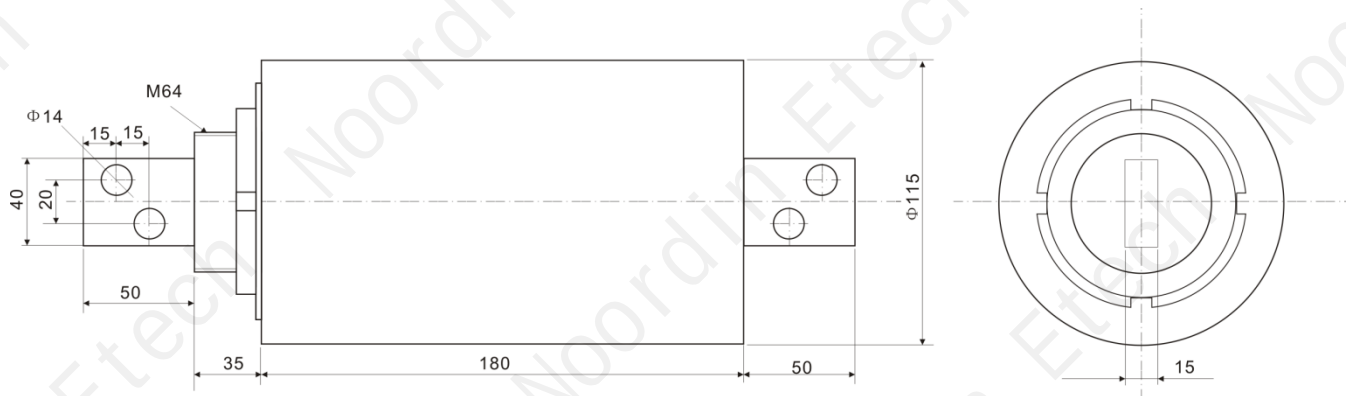


Fig.8

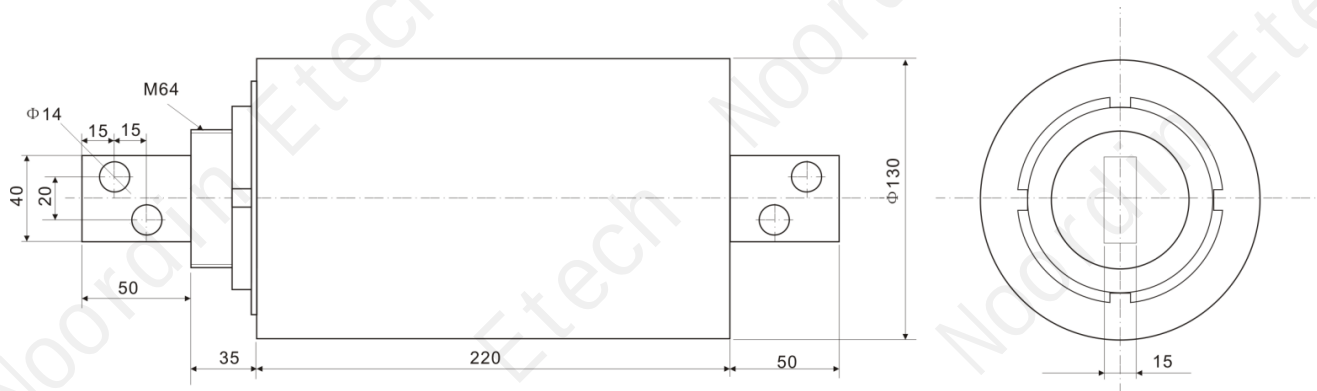
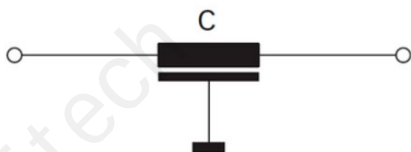


Fig.9

5. Circuit Diagrams



6. Insertion Loss (IEC/CISPR NO.17 50 ohm)

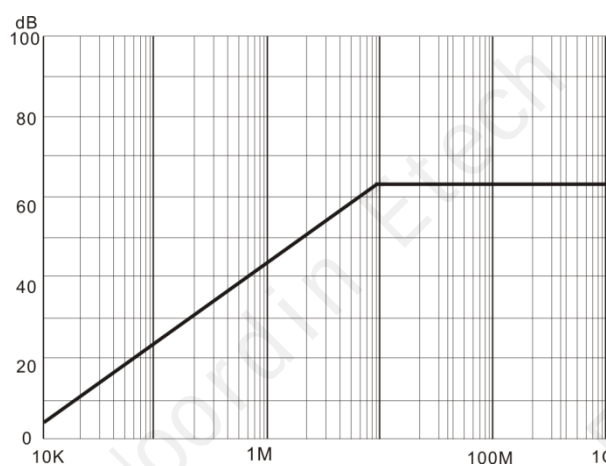


Fig.1

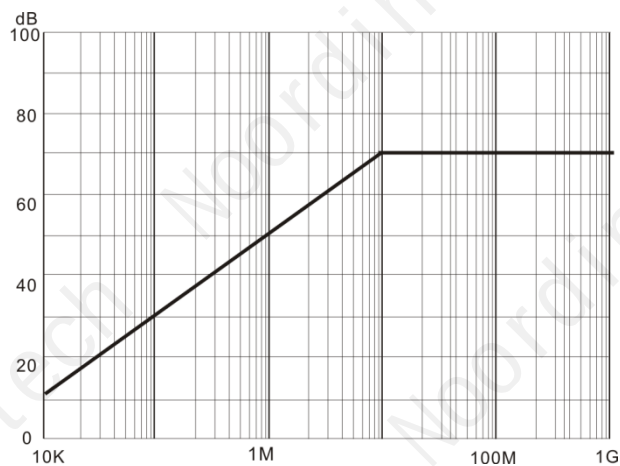


Fig.2

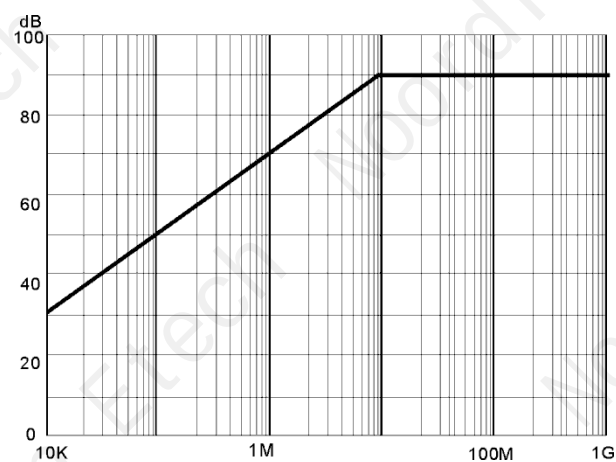


Fig.3

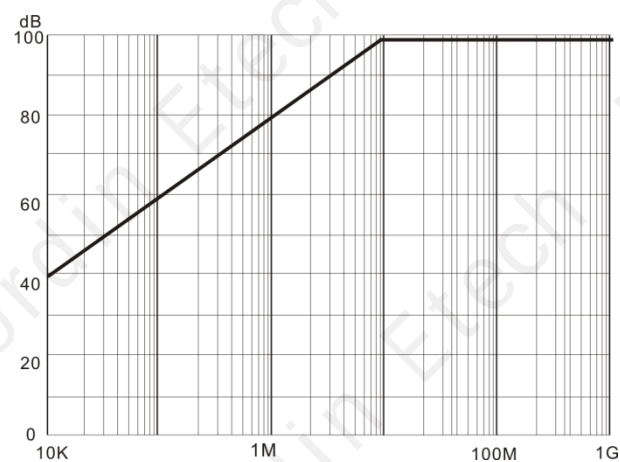


Fig.4

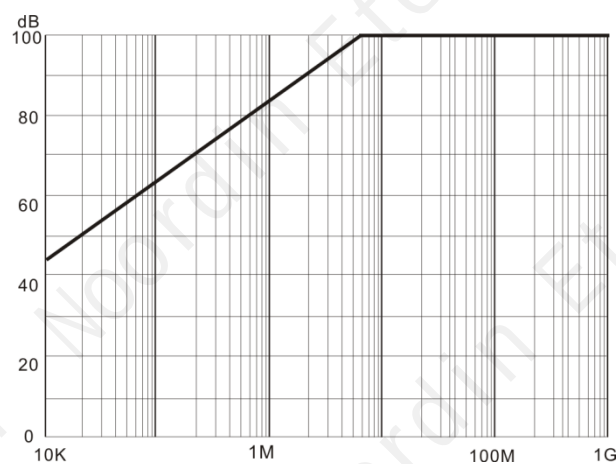


Fig.5

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