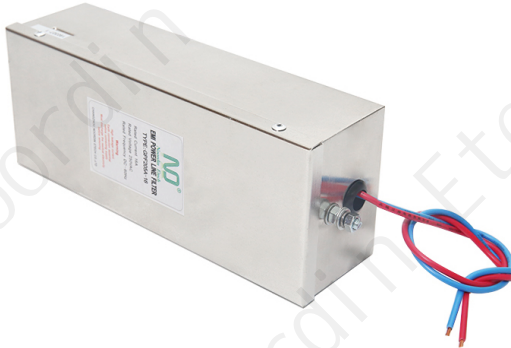


**Power Line Filter For Shielded Cabinets****Power Line Filter For Shielded Cabinets****1. Product Description**

The power line filter is specifically engineered for shielded cabinets, electronic shelters, testing boxes, and shielded tents, offering effective suppression of electromagnetic interference (EMI) in power systems. By filtering noise from power lines, it ensures the stable operation of equipment in complex electromagnetic environments. Key features include low leakage current, minimal voltage drop, and a compact design, delivering superior electromagnetic compatibility while preventing external interference from compromising device performance.

**2. Typical Applications**

- Shielded cabinets
- Purified power supply shielding rooms
- Electronic shelters
- Testing boxes
- Shielded tents

**3. Product Features**

- Low Leakage Current, Low Voltage Drop: The filter maintains leakage current in the range of milliamps to tens of milliamps during normal operation, ensuring minimal voltage drop and stable performance.
- Tailored for Shielded Cabinets: Designed specifically for shielded cabinets, it offers optimized grounding performance to enhance shielding effectiveness.
- Compact and Efficient: With a compact size, the filter meets the shielding requirements for Class B

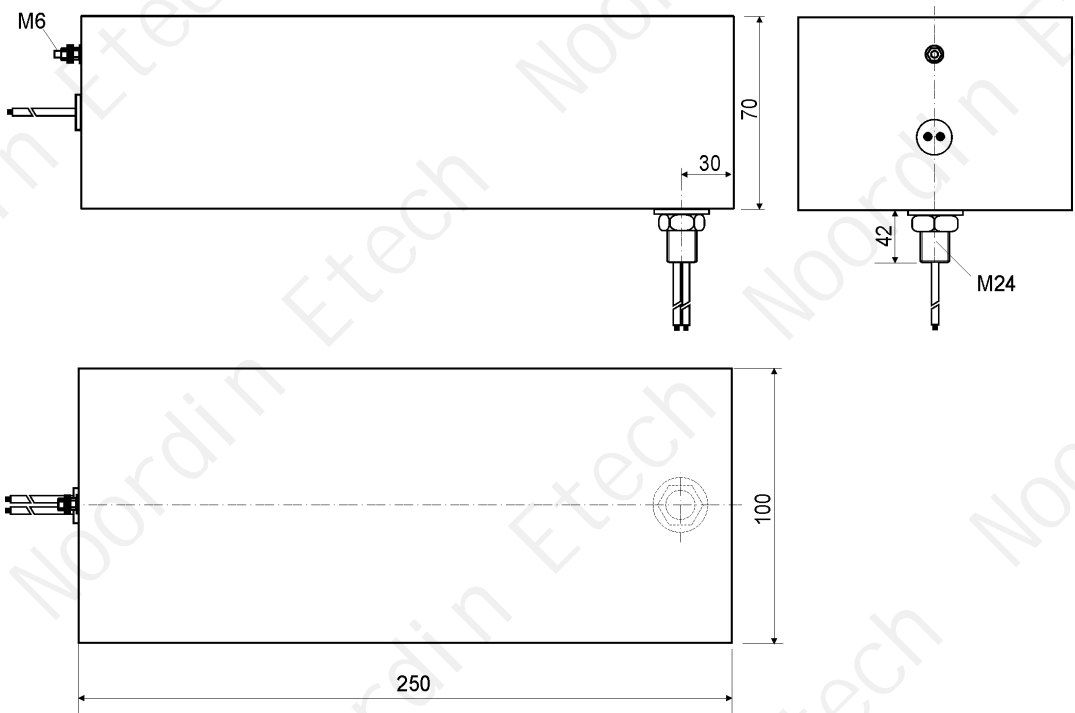
and Class C shielded cabinets, ensuring high efficiency.

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

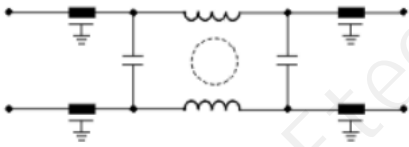
4. Product Selection Table

Type	Rated Current (A)	I Leakage (mA)	Shielding Efficiency
GPF205C-6	2x6	50	100dB,14KHz-40GHz
GPF205C-16	2x16	50	100dB,14KHz-40GHz
GPF205A-16	2x16	10	100dB,100KHz-40GHz
GPF205A-32	2x32	10	100dB,100KHz-40GHz

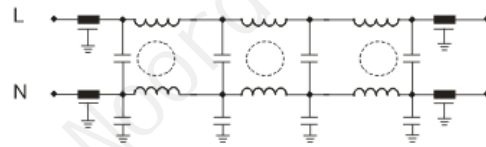
5. Outline Drawing (mm)



## 6. Circuit Diagrams



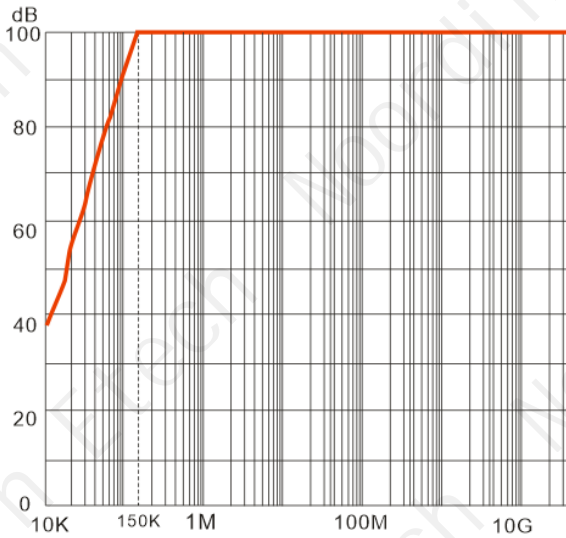
Single-stage



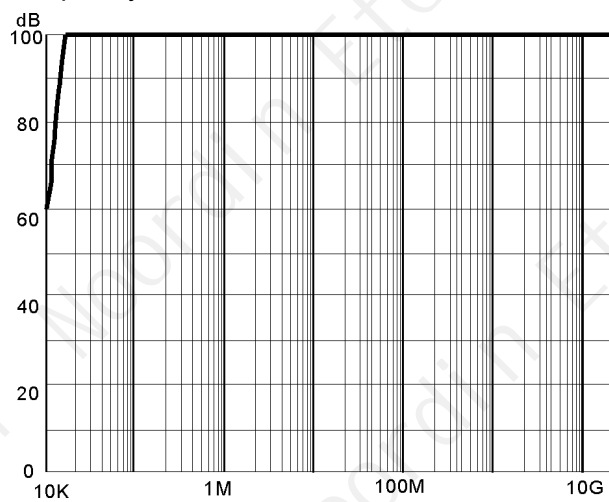
Three-stage

## 7. Insertion Loss

Frequency of 150kHz-40GHz, insertion loss over 100dB.



Frequency of 14kHz-40GHz, insertion loss over 100dB.



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