Standard Single-phase Filter

1. Product Description

The Single-Phase Screw-Terminal Filter is a core component of our standard single-phase filter series. Designed for reliable electromagnetic interference (EMI) suppression across a broad range of electronic applications, this filter ensures excellent performance in mitigating both common-mode and differential-mode noise. It plays a crucial role in maintaining the stable operation of sensitive equipment.

2. Typical Applications

- Electronic equipment and measuring instruments.
- White goods, single-phase industrial equipment, power supply, and control systems.
- Compatible with single-phase power supply, switch-mode power supply, and PLC controllers.
- Medical equipment and typical medical applications, offering low current leakage.

3. Product Features

- Offers excellent general-purpose filtering performance with a cost-effective design.
- Available with various output connection options.
- Certifications: CE and UL approved.
- Compact, general-purpose single-phase filter with embedded/nut/copper bar/blade terminal connections.
- Easy to install, cost-effective solution, ensuring high performance with space-saving design.

4. Technical Data

Type	Rated Current (A)	Rated Voltage	Rated Frequency	I Leakage (≤mA)	Test Voltage (2s)	Dim.	Circuit	Output	Climate Category
ND2104-1Q	1	125/250 VAC	50/60Hz	0.5 250VAC/ 50Hz	Line/ Line 1500VDC Line/ Ground 2250VDC	Fig 1	Fig 1		25/85/21
ND2101-3Z	3					Fig 2			
ND2104-3Q	3					Fig 1			
ND2104-6Q	6								
ND2105-10Q	10					Fig 3	Fig 2		
ND2107-20S	20					Fig 5			
ND2107-30S	30								
ND2101-30T	30					Fig 4			
ND2109-50S	50					Fig 6			
ND2110-100S	100					Fig 7			
ND2111-200S	200					Fig 8			
ND2110-300C	300					Fig 9		4*25	
ND2110-400C	400							6*25	
ND2110-600C	600							8*25	
ND2110-800C	800					Fig 10			
ND2110-1000C	1000								

5. Outline Drawing (mm)

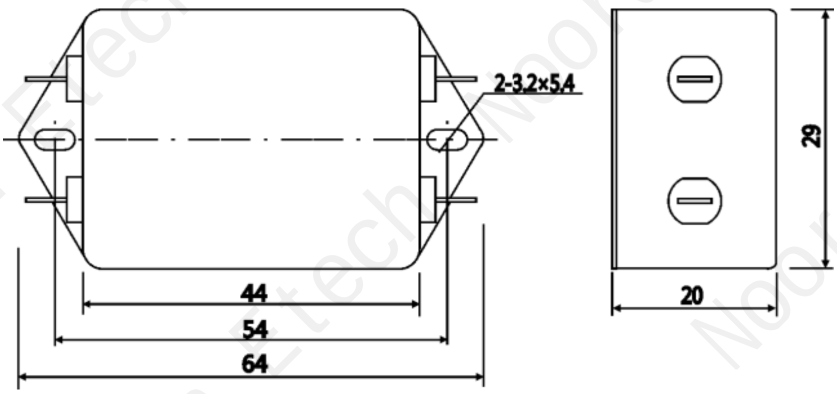


Fig 1

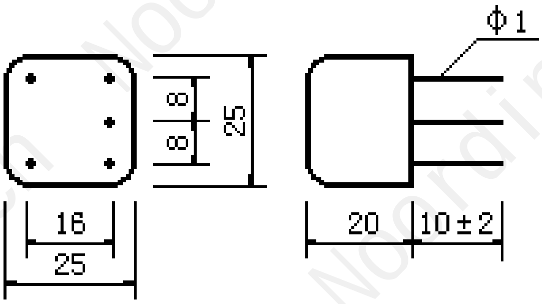


Fig 2

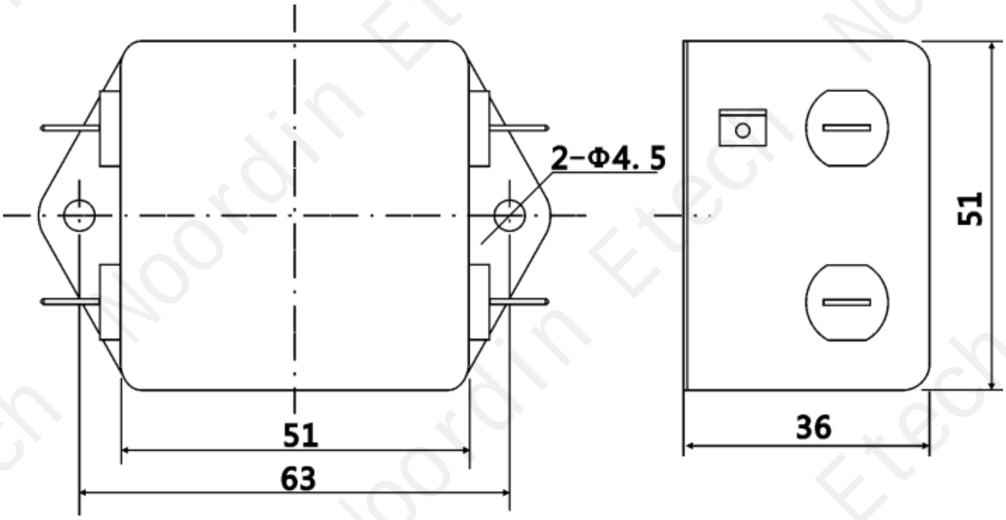


Fig 3

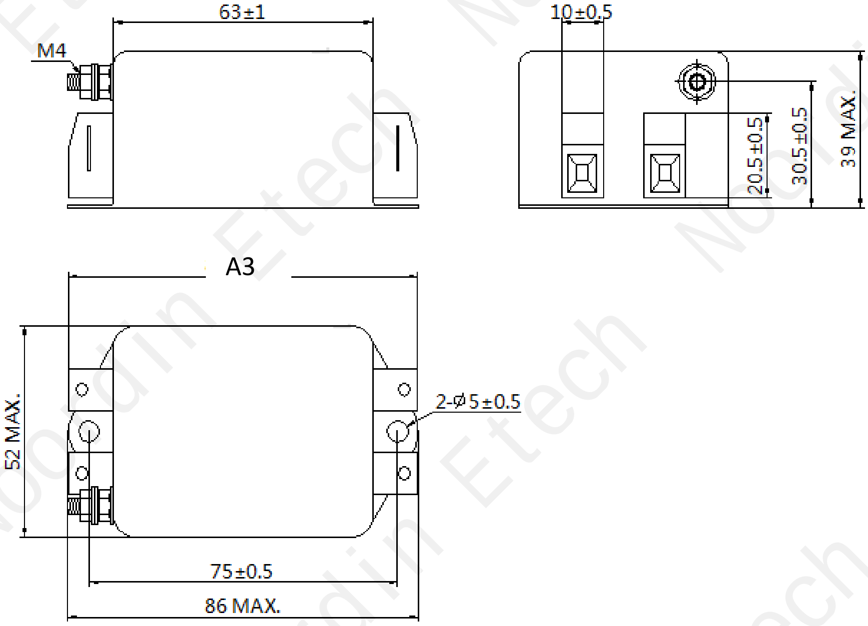


Fig 4

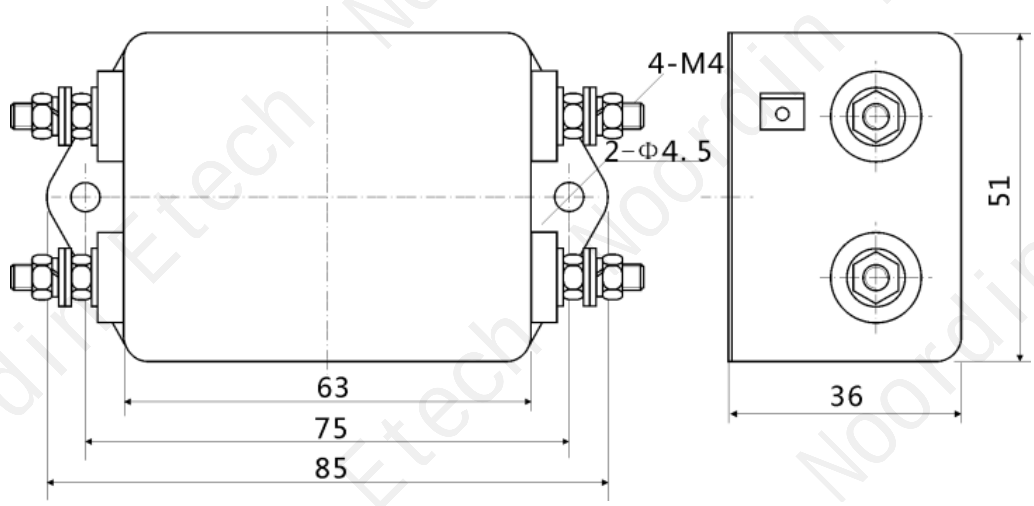


Fig 5

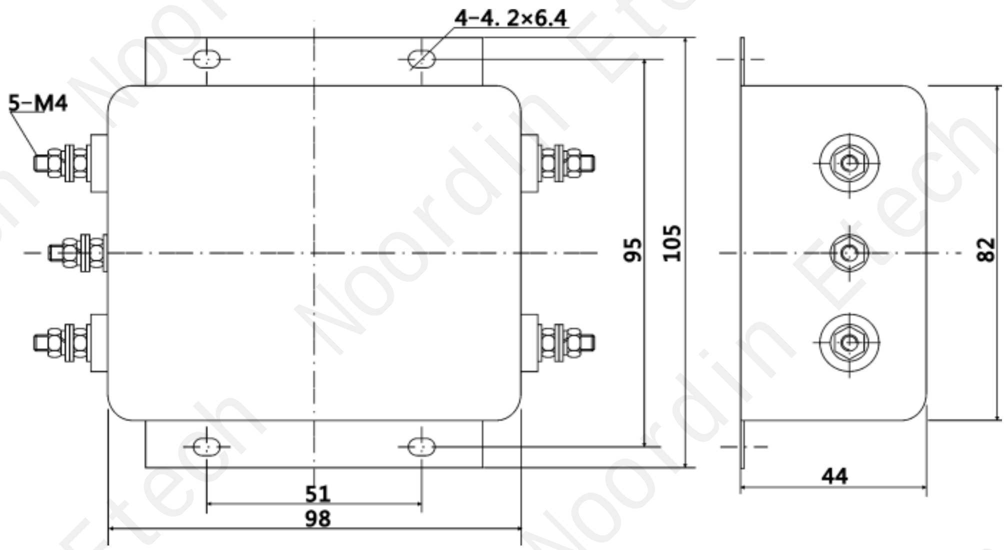


Fig 6

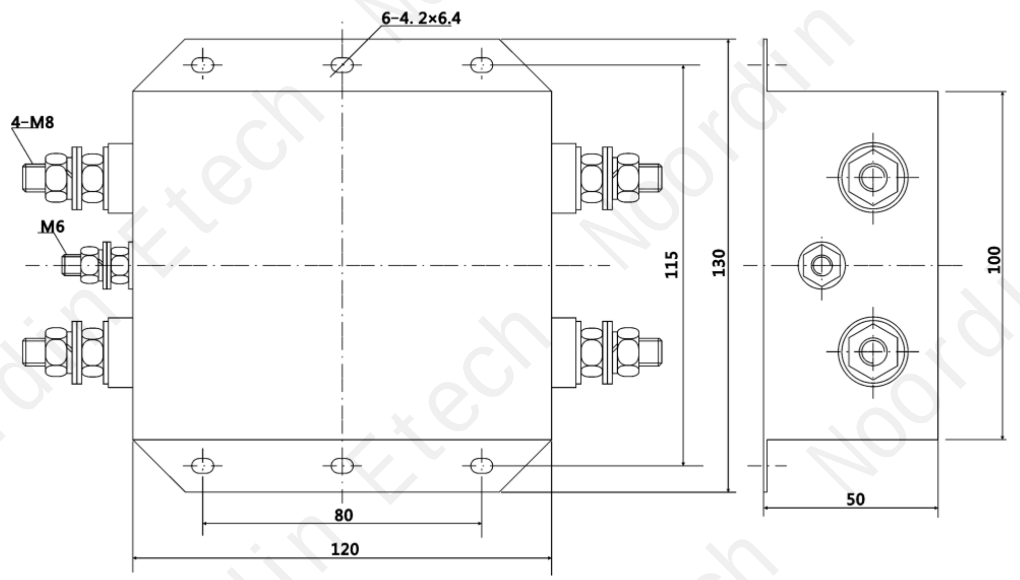

6-4. 2×6.4
4-M8
M6
115
130
100
80
120
50

Fig 7

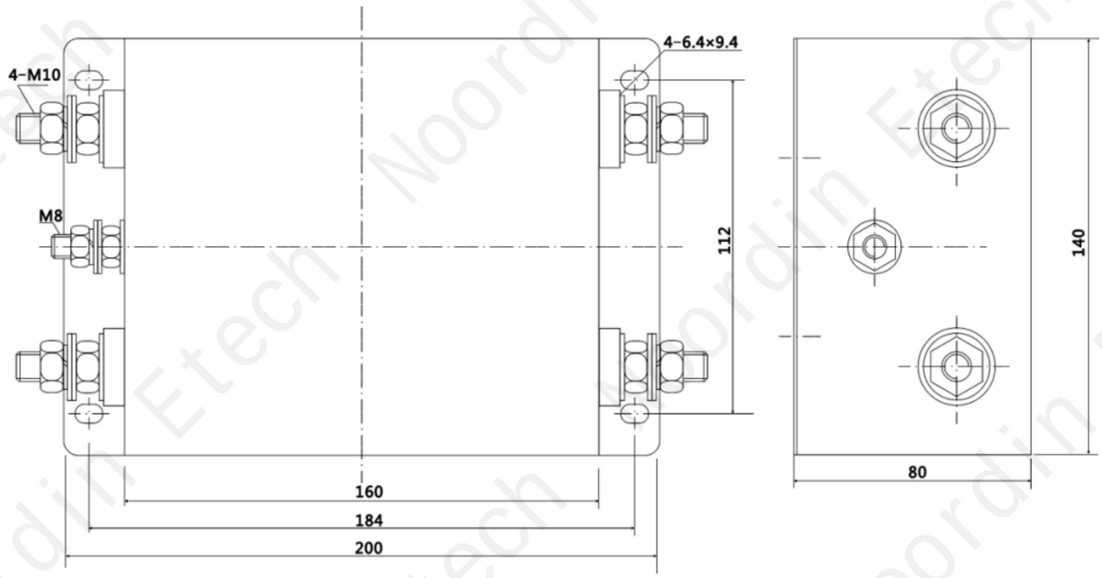

4-6.4×9.4
4-M10
M8
112
140
160
184
200
80

Fig 8

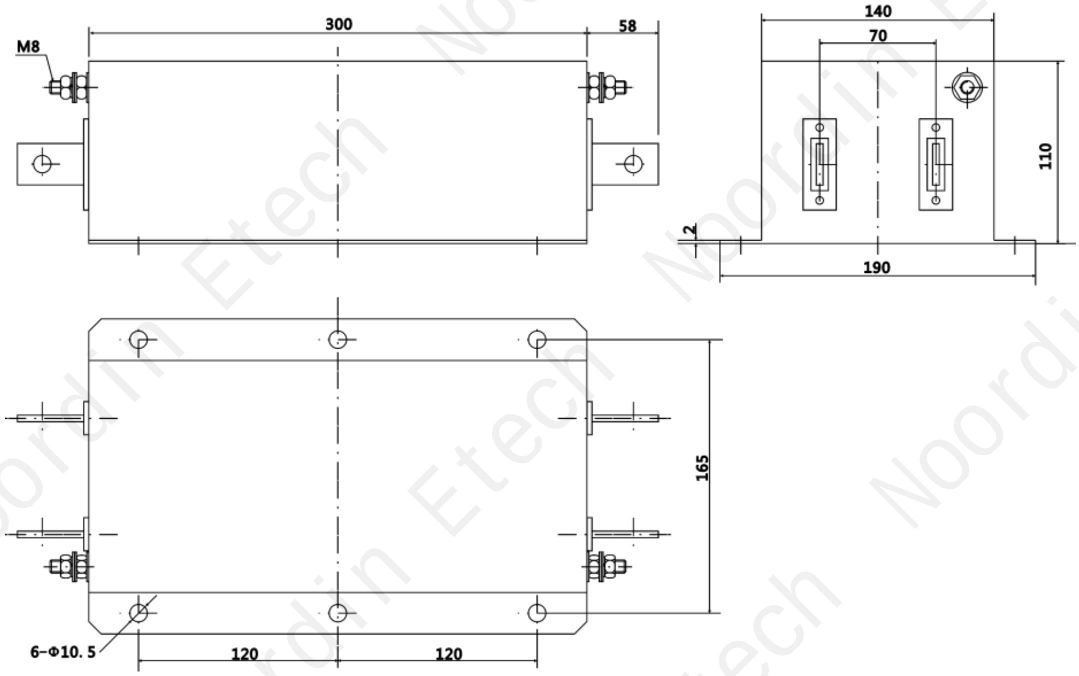

M8
300
58
140
70
110
2
190
165
6-Φ10.5
120
120

Fig 9

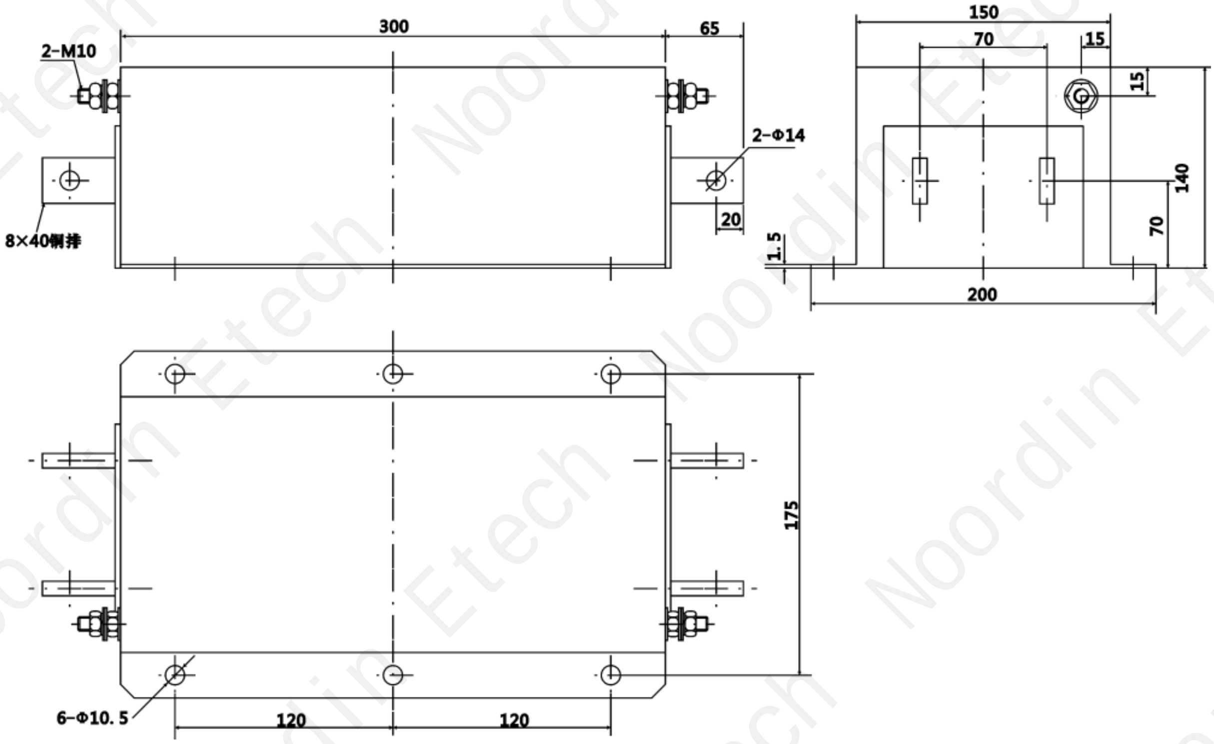

2-M10
300
65
2-Φ14
8×40铜排
20
150
70
15
15
140
70
1.5
200
175
6-Φ10.5
120
120

Fig 10

6. Circuit Diagrams

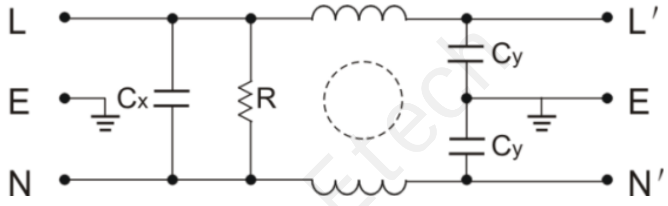


Fig 1

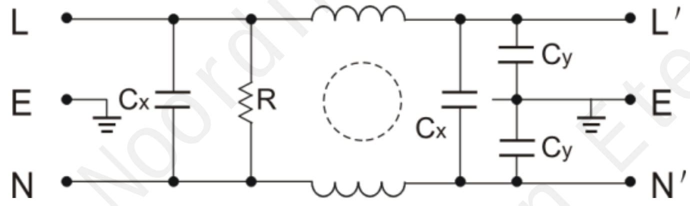


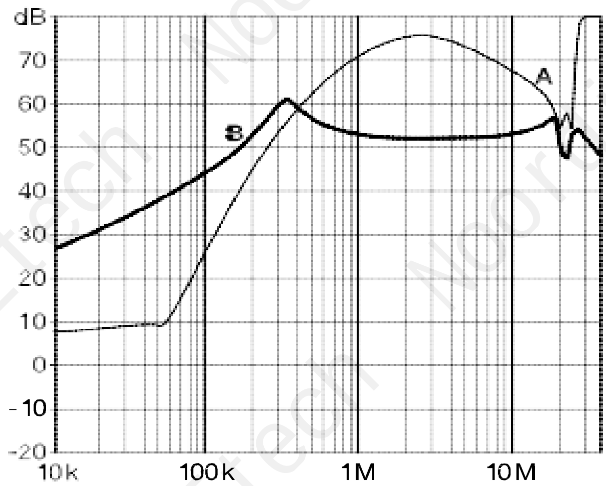
Fig 2

7. Insertion Loss

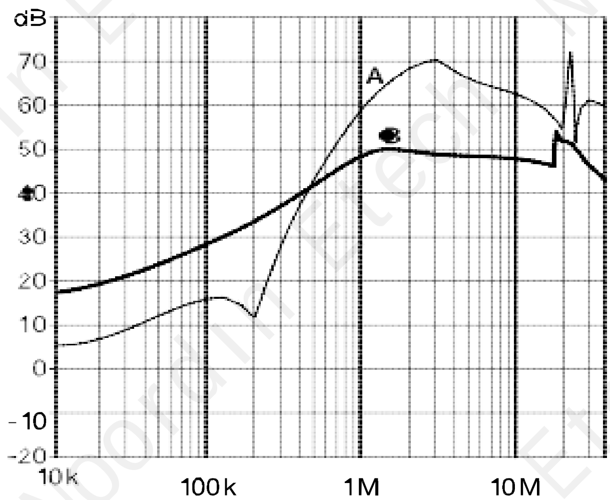
Insertion loss measured in 50Ω/50Ω system, as IEC/CISPR No. 17

A=Differential mode B=Common Mode

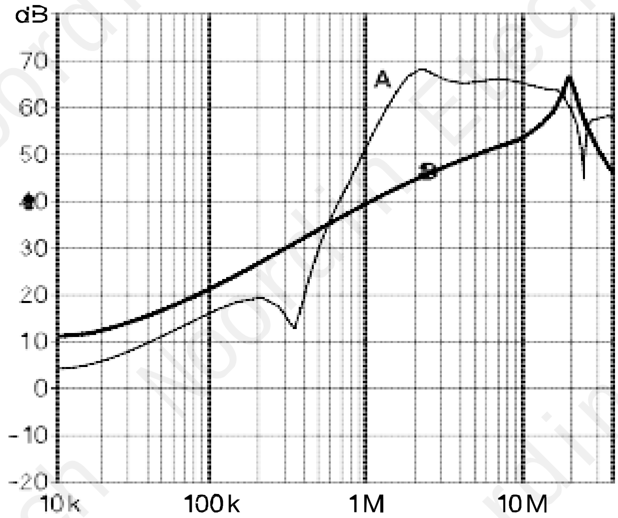
1 to 10A Type



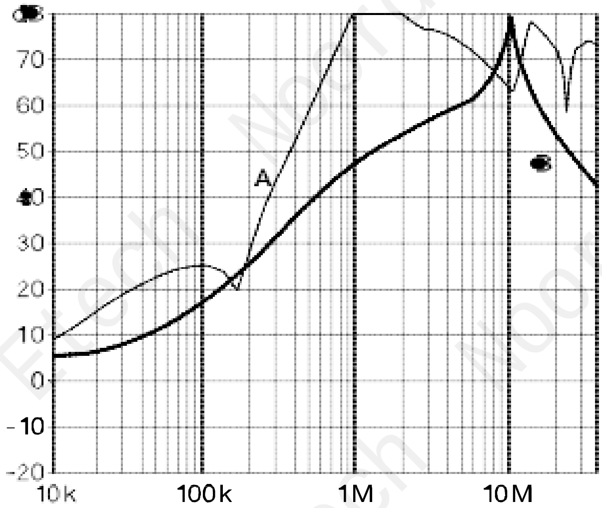
20 to 30A Type



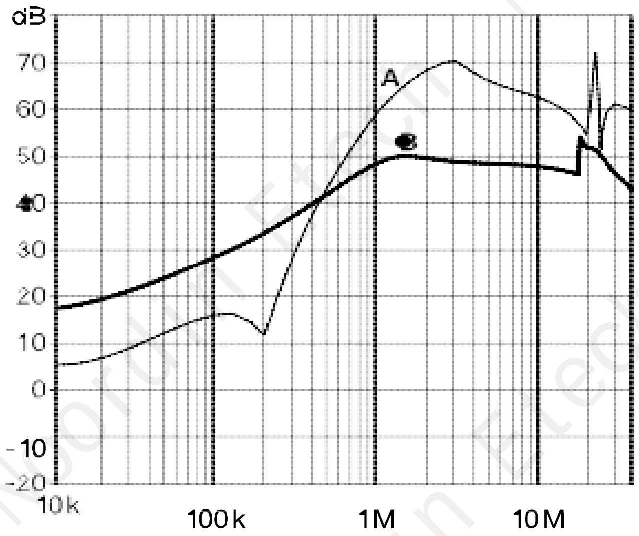
40 to 100A Type



120 to 200A Type



300 to 1000A Type



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