



Input Power Line Filter For Inverter

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1. Product Description

This filter effectively suppresses harmonics and surges from the power network, addressing common inverter issues such as over-voltage, over-current, overload, overheating, and malfunction. It ensures the reliable and smooth operation of inverters, enhancing their overall performance and longevity.



2. Typical Applications

- Inverters from most brands
- VVVF Servo motors
- dv/dt suppression
- Industrial electronic equipment operating with frequency conversion principles

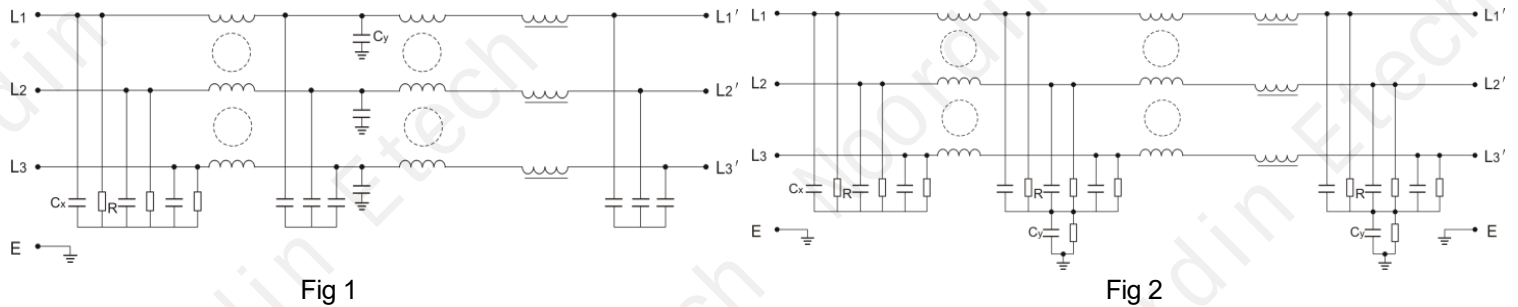
3. Product Features

- The filter features a three-stage filtering design, with special materials ensuring high impedance characteristics across a wide frequency range.
- Optimized for VVVF and high-noise environments
- Delivers outstanding attenuation for both common mode and differential mode noise, particularly at low frequencies
- The copper bar is suitable for versions above 250A, meeting international standards for simple and secure connections.
- CE approved, ensuring compliance with international quality and safety standards

4. Technical Data

Type	Rated Current (A)	Rated Voltage	Rated Frequency	I _{Leakage} (≤mA)	Test Voltage (2s)	Dim.	Circuit	Output	Climate Category		
ND3310-5S	5	250/440 VAC	50/60Hz	6 250VAC/ 50Hz	Line/ Line 1500VDC	Fig 1	Fig 1		25/85/21		
ND3310-10S	10					Fig 2					
ND3310-20S	20					Fig 3					
ND3310-20T	20					Fig 6					
ND3310-36S	36					Fig 3					
ND3310-50S	50					Line/ Ground 2250VDC				Fig 3	Fig 2
ND3310-100S	100				Fig 4						
ND3310-150S	150				Fig 4						
ND3310-200S	200				Fig 4						
ND3310-300C	300				Fig 5						
ND3310-400C	400										
ND3310-600C	600										
ND3310-1000C	1000										
ND3310-1600C	1600										

5. Circuit Diagrams



6. Outline Drawing (mm)

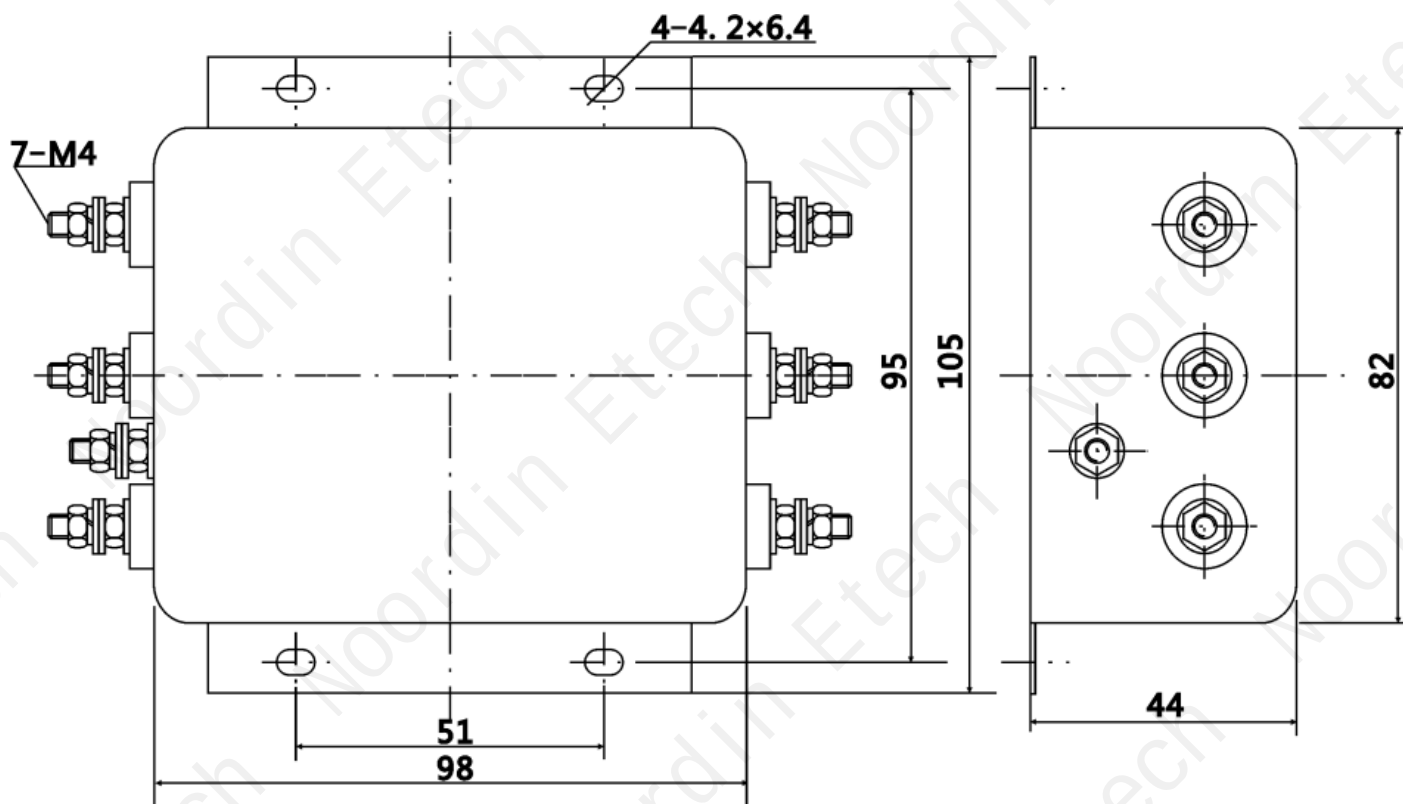


Fig 1

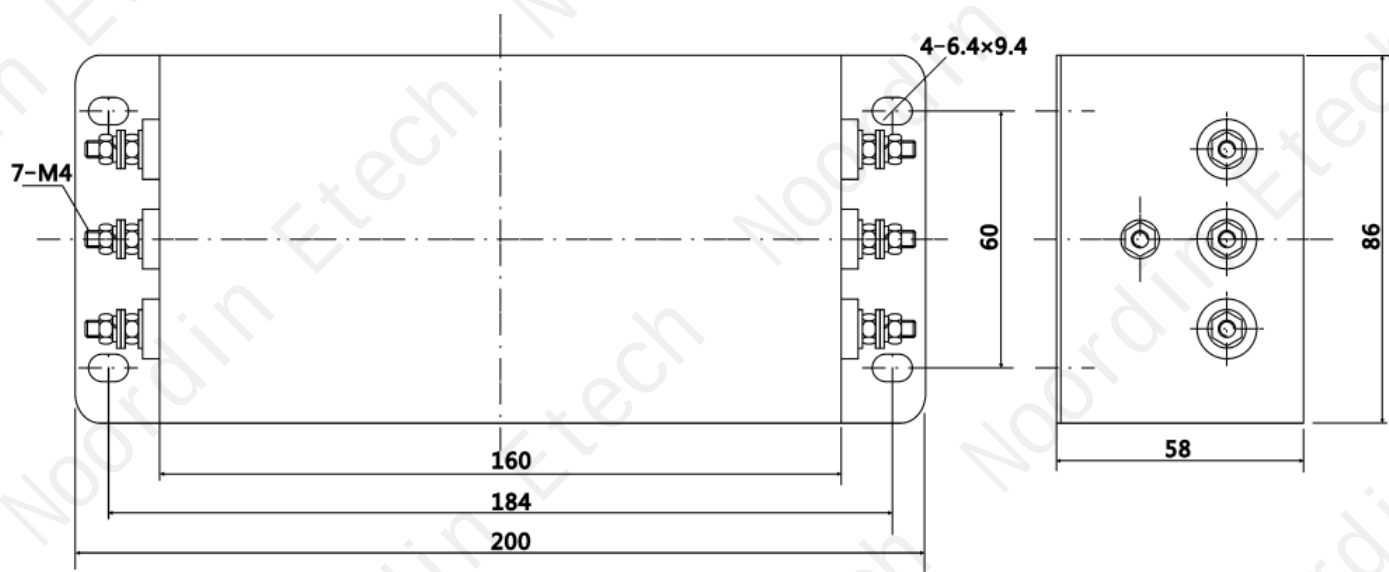


Fig 2

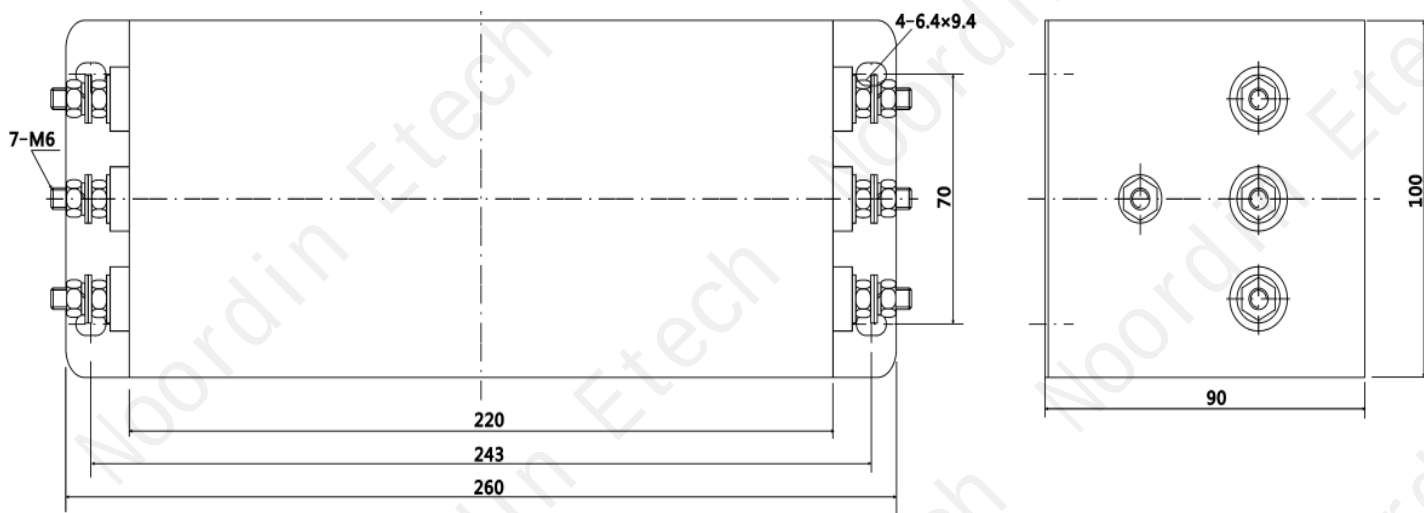


Fig 3

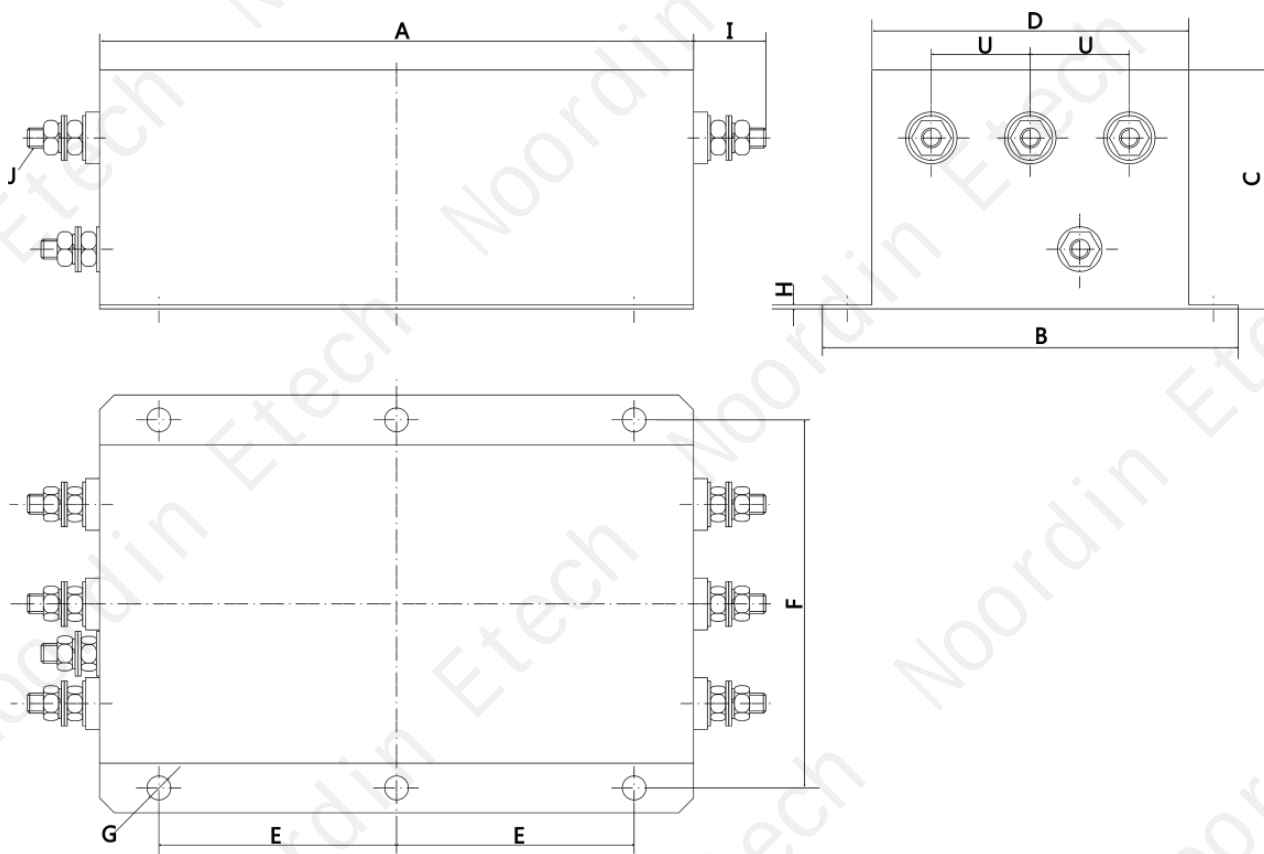


Fig 4

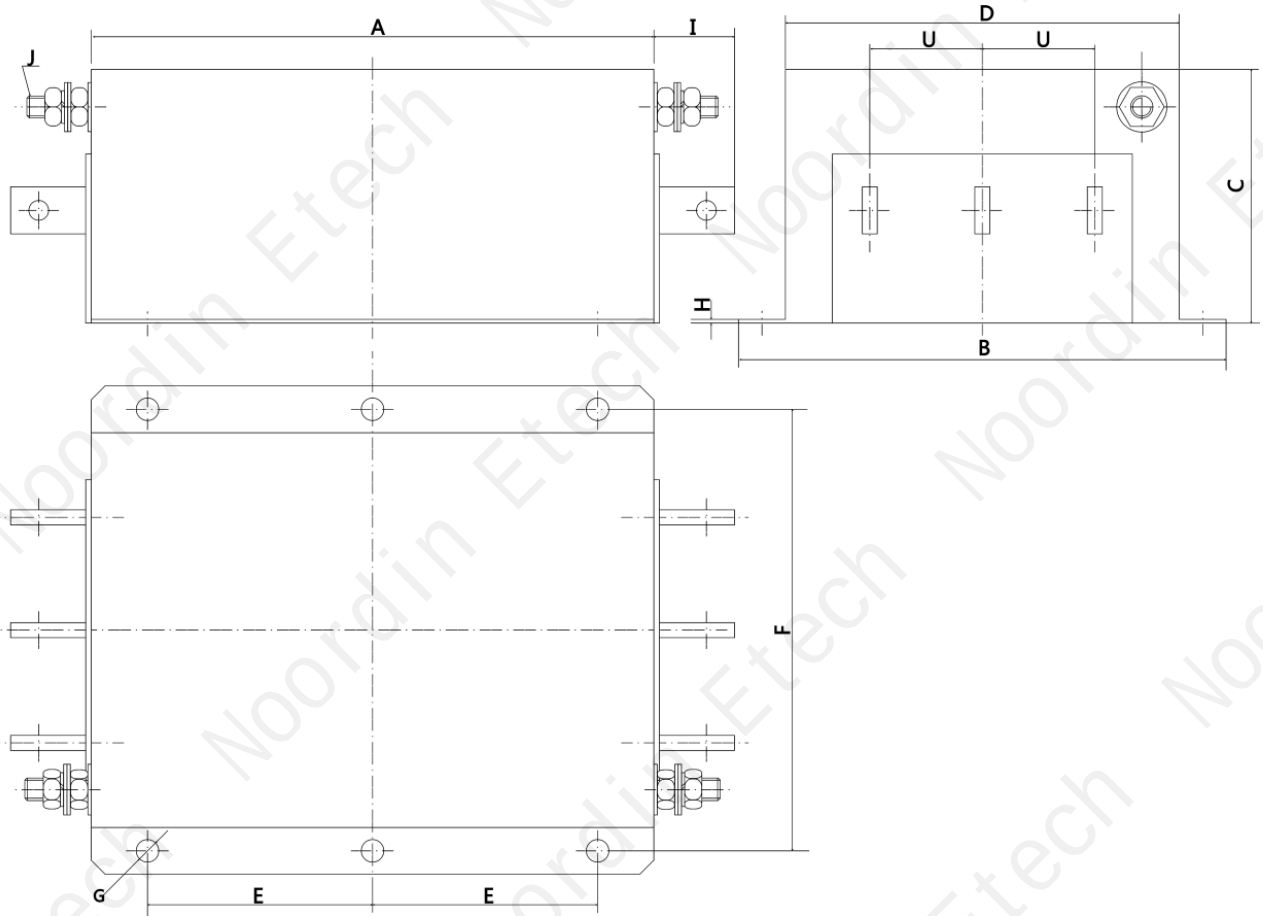


Fig 5

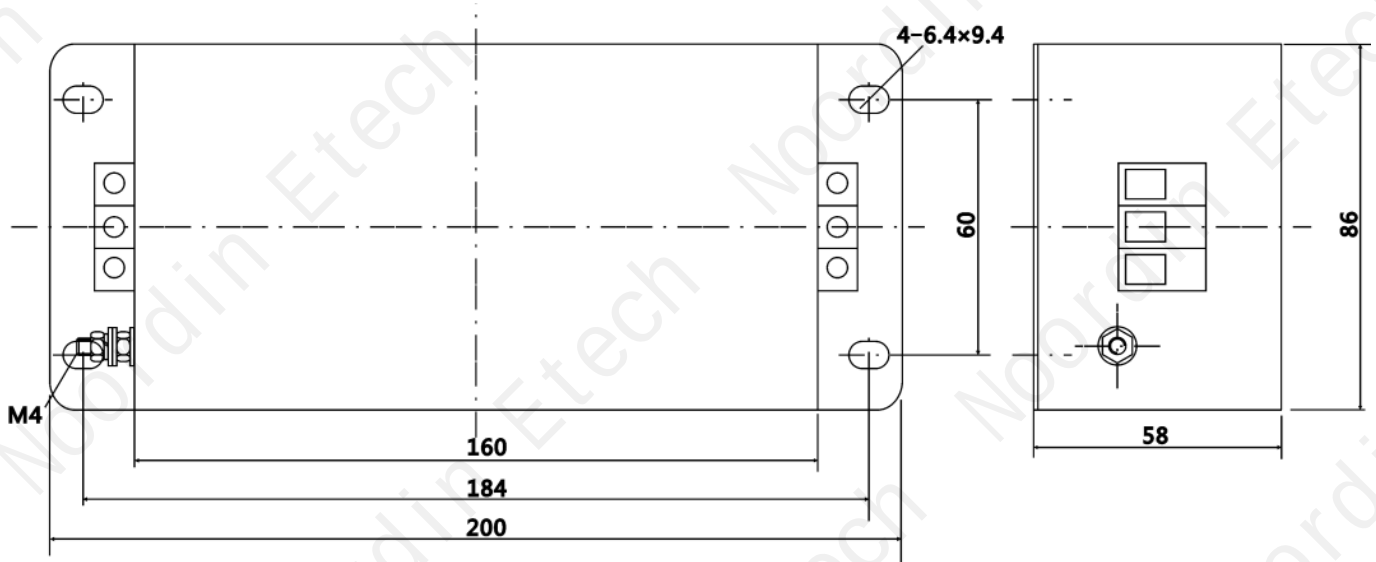
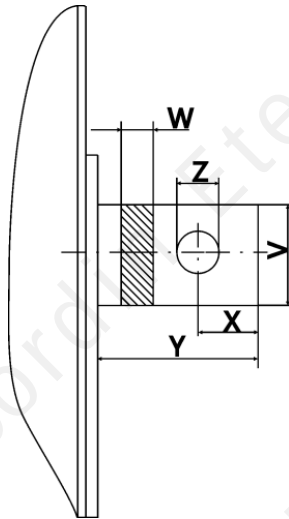
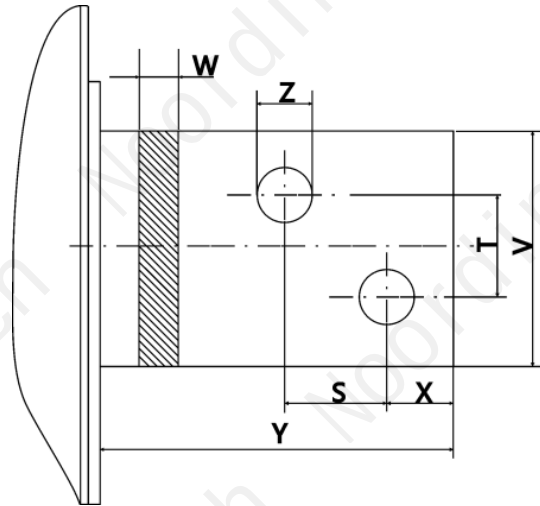


Fig 6

300 to 1000A Type



1600A Type



	A	B	C	D	E	F	G	H	I	J	S	T	U	V	W	X	Y	Z
100A	300	210	120	160	120	185	φ12	2	33	M8	/	/	50	/	/	/	/	/
150A	300	210	120	160	120	185	φ12	2	33	M10	/	/	50	/	/	/	/	/
200A	300	210	120	160	120	185	φ12	2	33	M10	/	/	50	/	/	/	/	/
300A	300	260	115	210	120	235	φ12	2	43	M12	/	/	60	25	4	15	40	Φ11
400A	300	260	115	210	120	235	φ12	2	43	M12	/	/	60	25	6	15	40	Φ11
600A	300	260	135	210	120	235	φ12	2	43	M12	/	/	60	25	8	15	40	Φ11
1000A	350	280	170	230	145	255	φ12	3	53	M12	/	/	60	40	8	20	50	Φ14
1600A	400	300	160	250	170	275	φ12	3	93	M12	26	26	60	60	10	17	93	Φ14

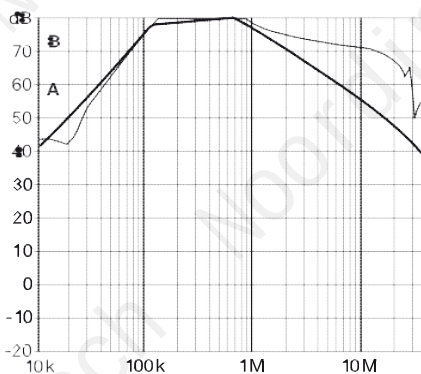
7 . Insertion Loss

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

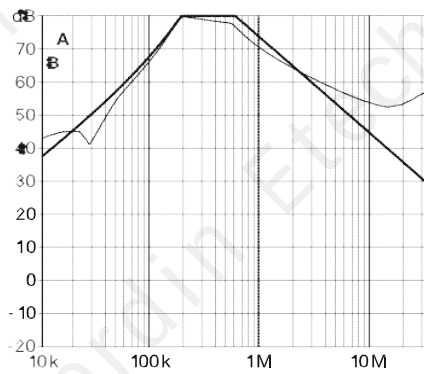
A=Differential mode

B=Common Mode

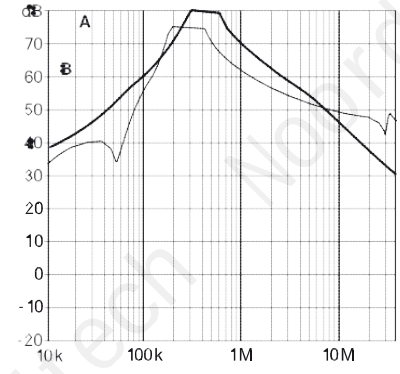
5 to 36A Type



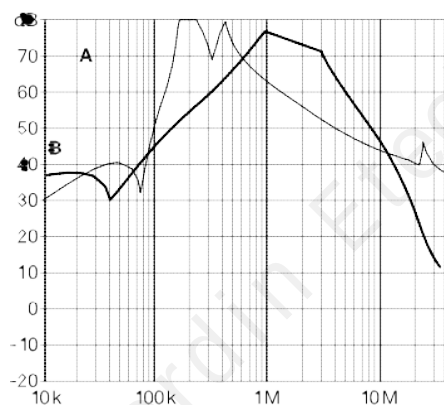
50 to 100A Type



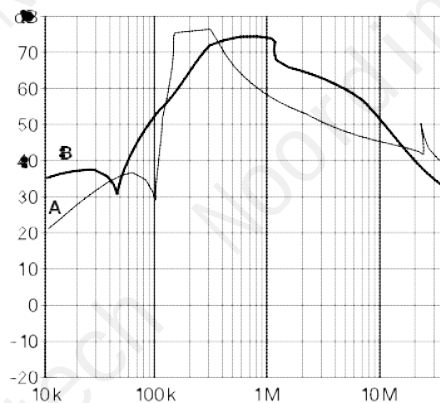
150 to 200A Type



300 to 600A Type



1000 to 1600A Type



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