COSEL

参考資料

TEST DATA OF NAP-30-□□□

Noise Filter

Apr. 22. 2005

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COSEL CO.,LTD.

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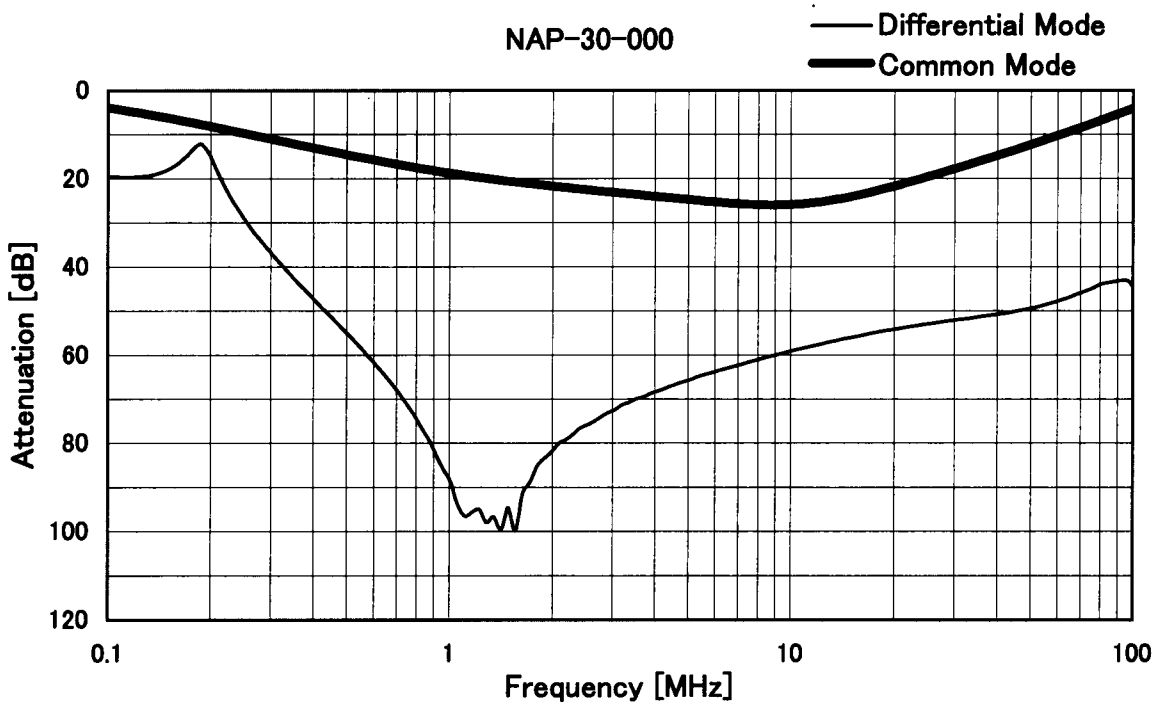
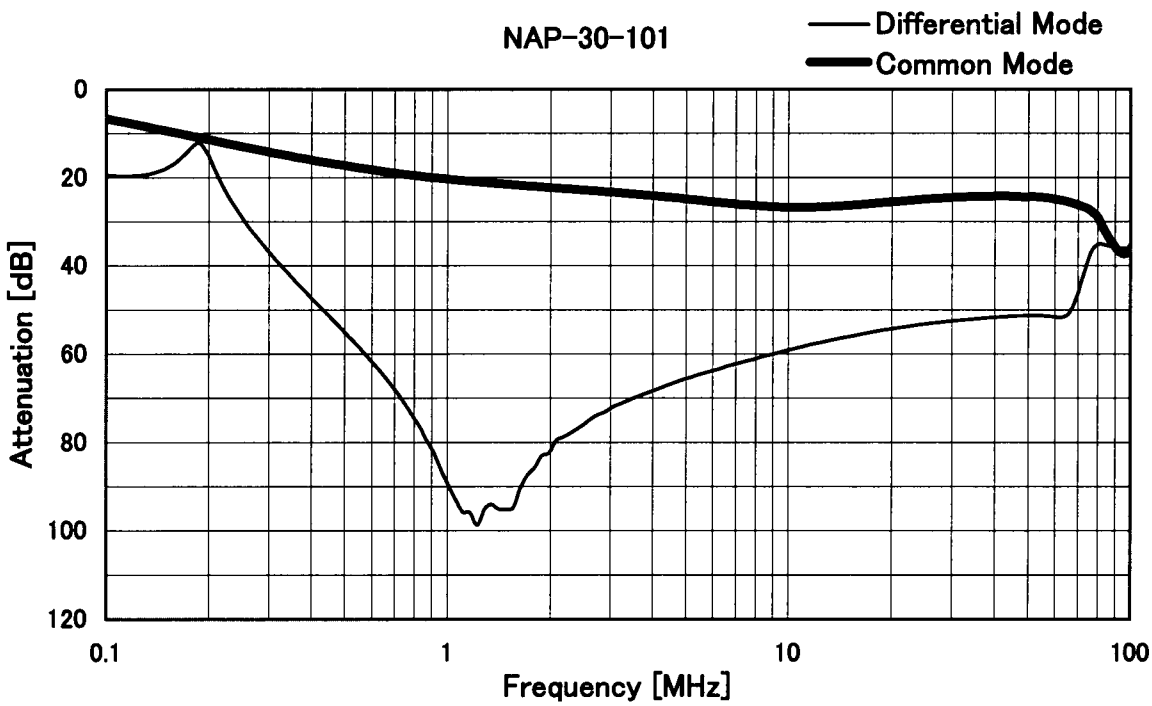
Model	NAP-30-□□□	
Item	Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure A
Object	———	





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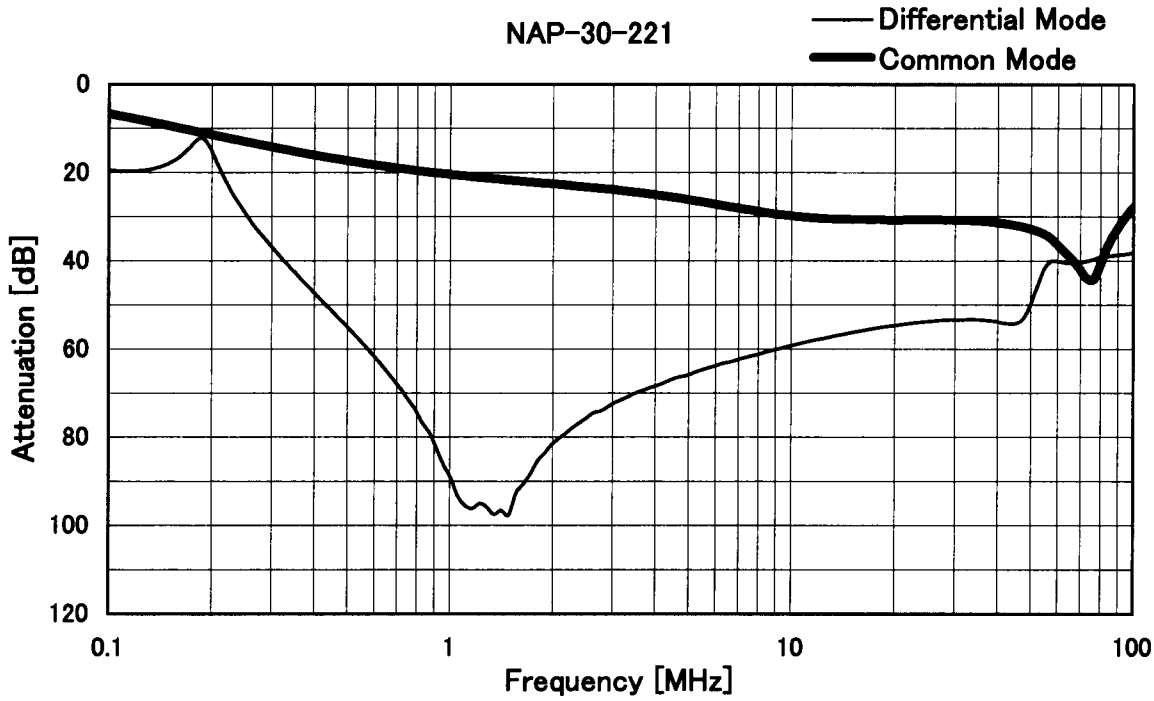
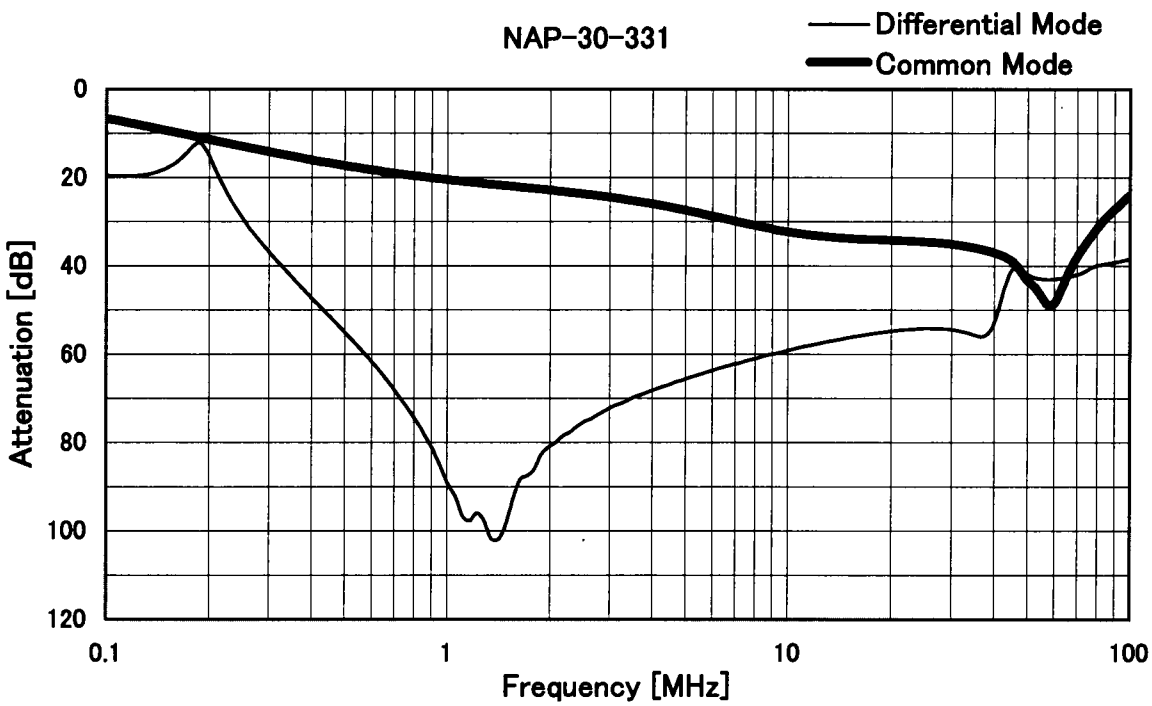
Model	NAP-30-□□□	
Item	Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure A
Object	———————	





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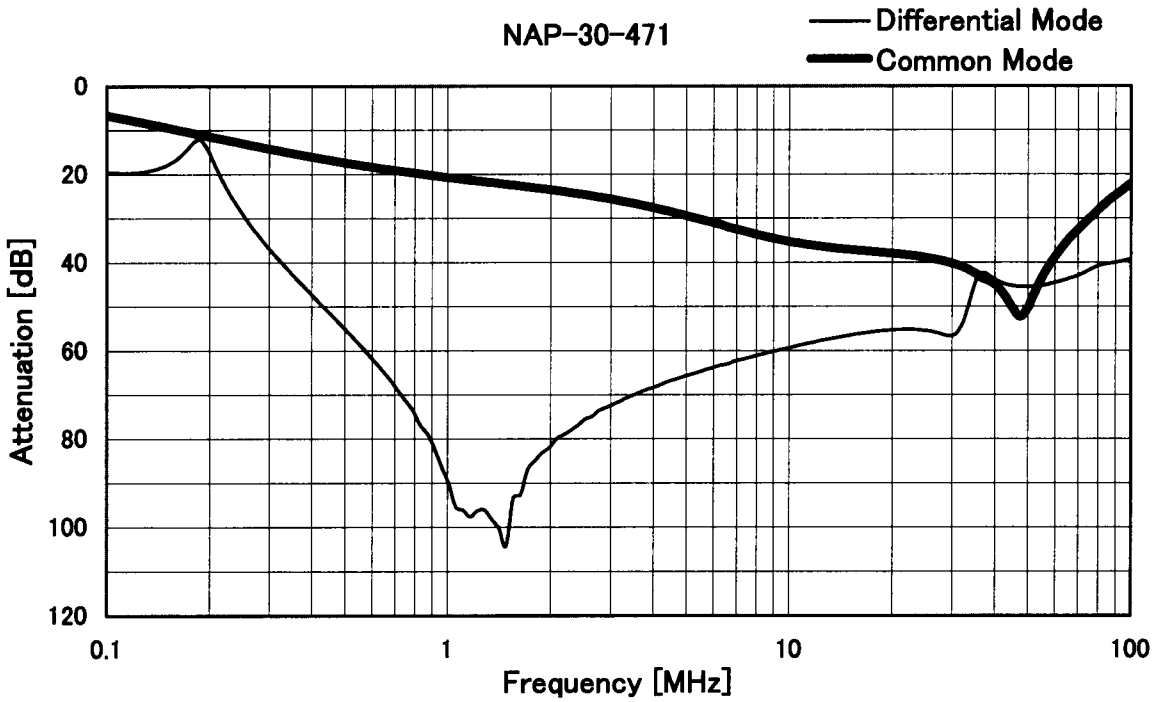
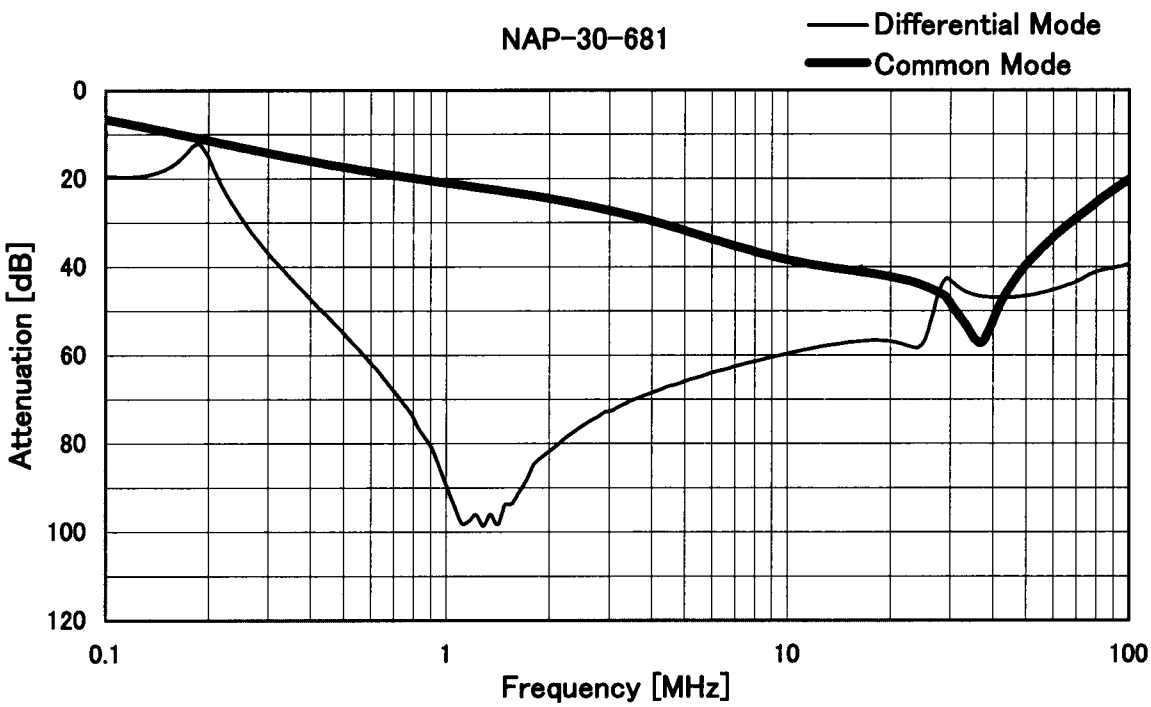
Item	Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure A
Object	———	





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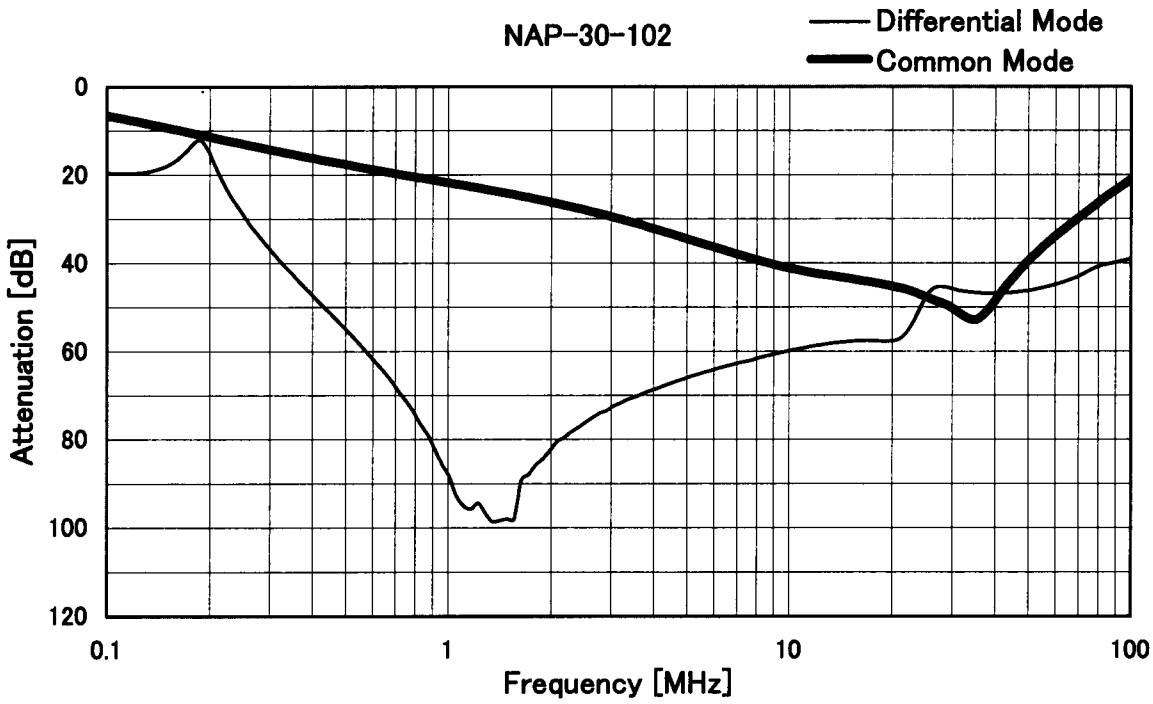
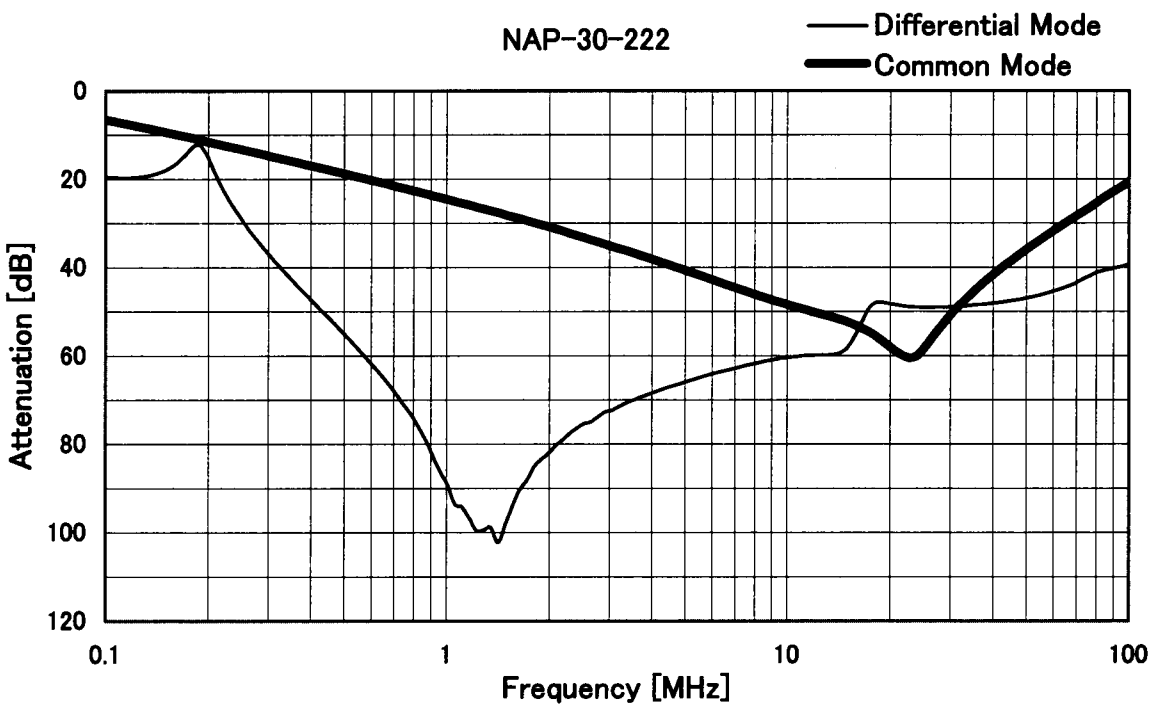
Model	NAP-30-□□□		
Item	Attenuation Characteristics	Temperature	25°C
Object	———	Testing Circuitry	Figure A





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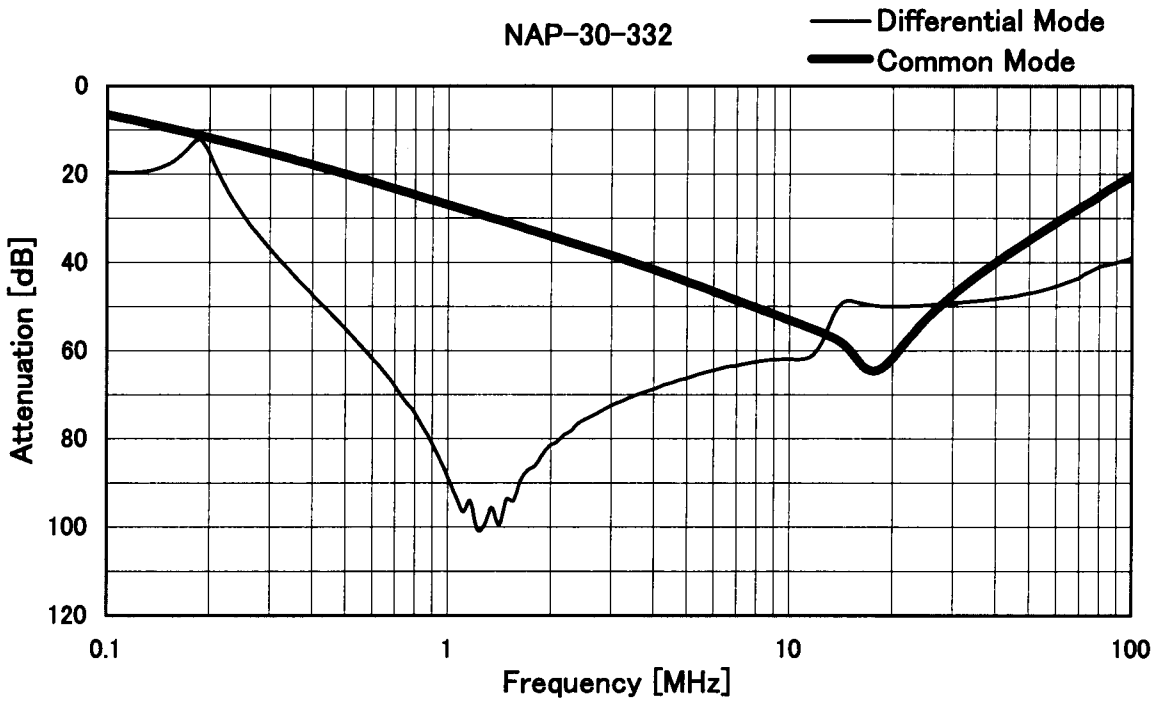
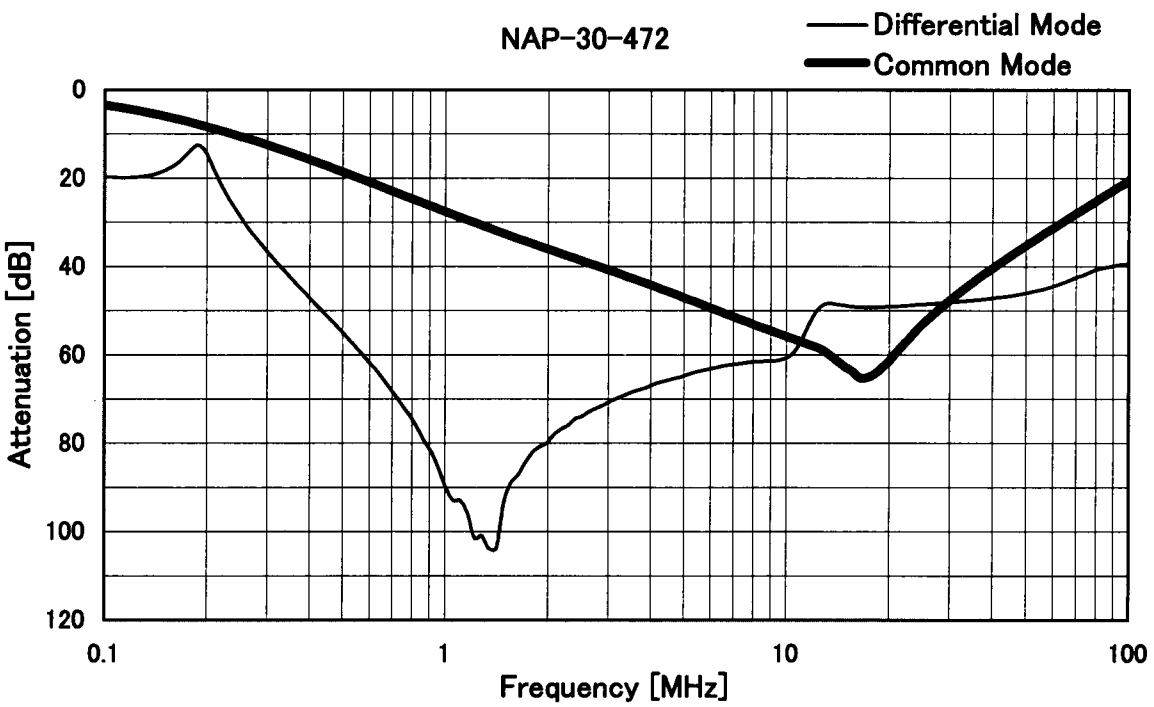
Object	———————	





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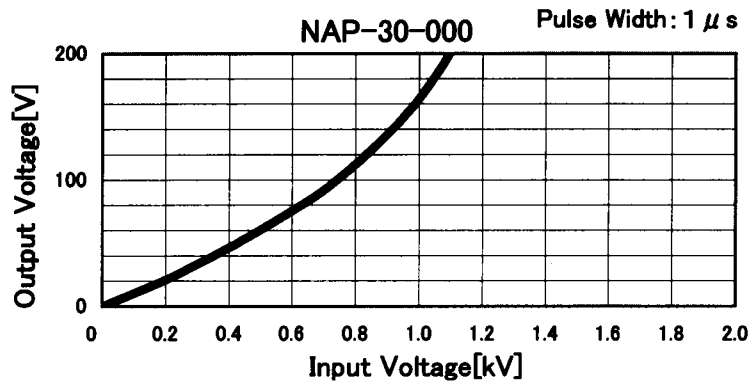
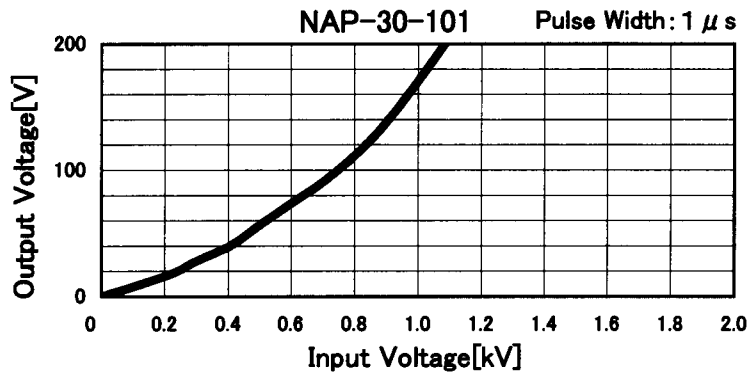
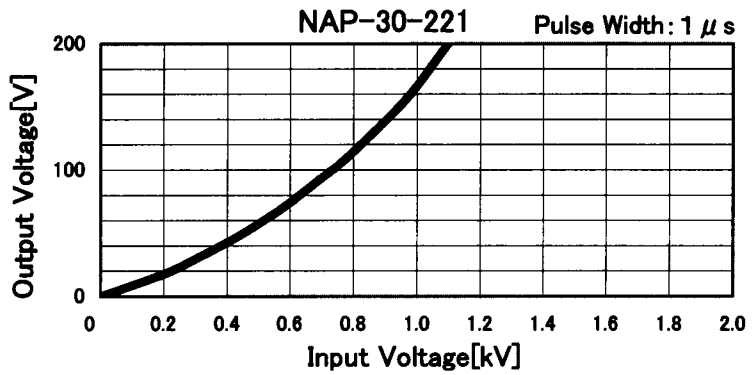
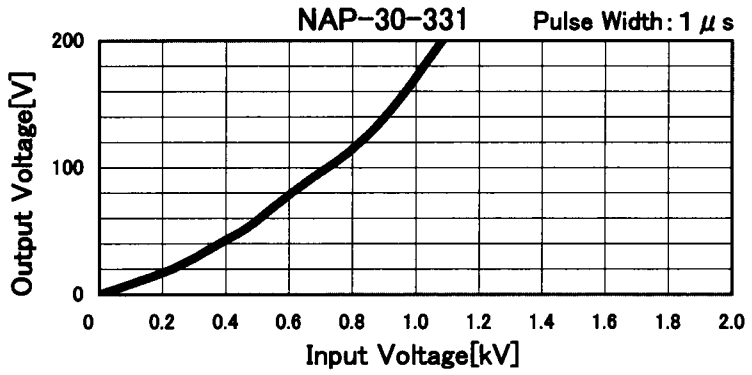
Model	NAP-30-□□□	
Item	Pulse Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure B
Object	———	









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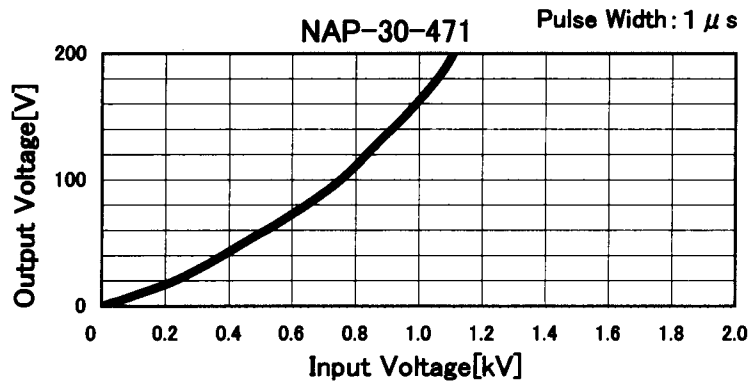
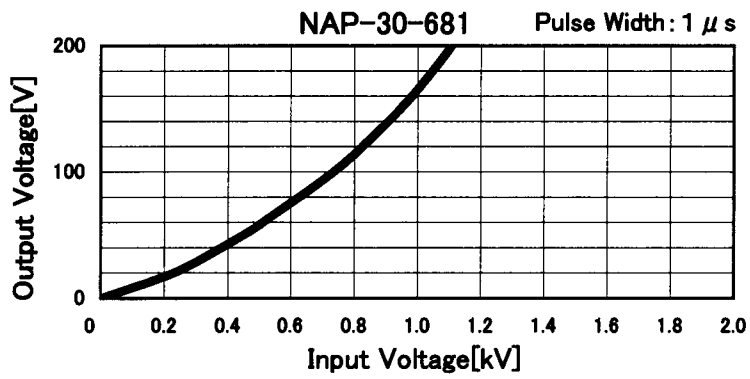
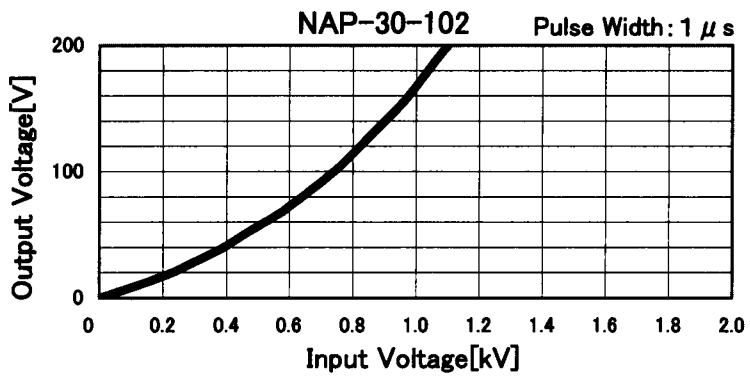
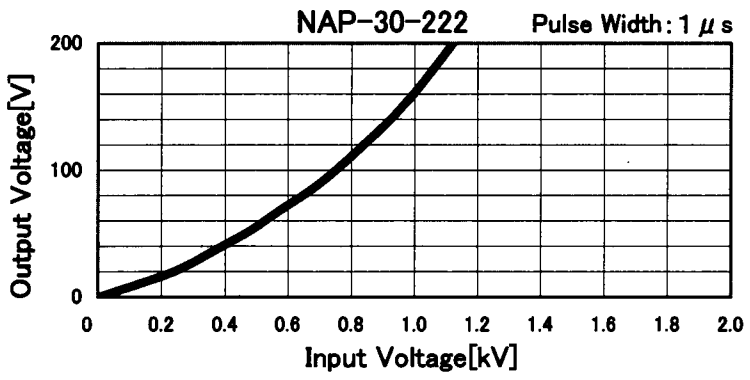
Model	NAP-30-□□□	
Item	Pulse Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure B
Object	———	









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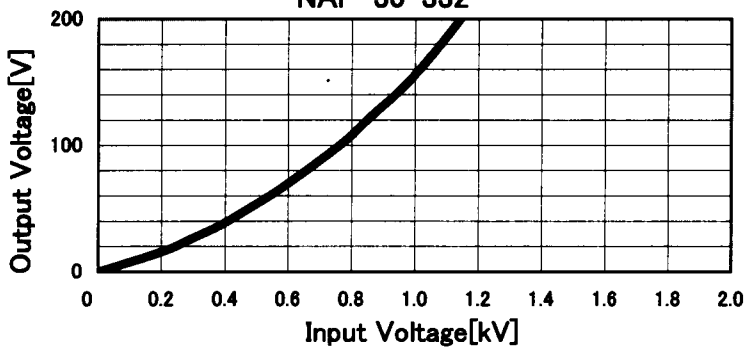
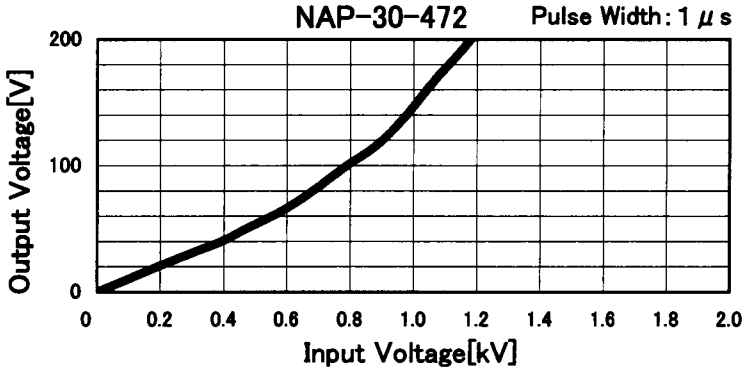
Model	NAP-30-□□□
Item	Pulse Attenuation Characteristics
Object	———————

Temperature 25°C
Testing Circuitry Figure B

NAP-30-332 Pulse Width: 1 μs



NAP-30-472 Pulse Width: 1 μs



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Model	NAP-30-□□□		
Item	Leakage Current	Temperature	25°C
		Testing Circuitry	Figure C
Object	———————————		

1.Results

[mA]

Model	Standards	Input Volt.				Note
		100 [V]	125 [V]	230 [V]	250 [V]	
NAP-30-000	UL1283	0.002	0.002	0.004	0.005	
NAP-30-101	UL1283	0.006	0.007	0.013	0.015	
NAP-30-221	UL1283	0.011	0.013	0.025	0.028	
NAP-30-331	UL1283	0.015	0.019	0.038	0.042	
NAP-30-471	UL1283	0.023	0.030	0.061	0.069	
NAP-30-681	UL1283	0.031	0.040	0.082	0.093	
NAP-30-102	UL1283	0.044	0.056	0.110	0.120	
NAP-30-222	UL1283	0.090	0.120	0.230	0.250	
NAP-30-332	UL1283	0.130	0.170	0.340	0.370	
NAP-30-472	UL1283	0.190	0.240	0.480	0.520	

2.Condition

Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.

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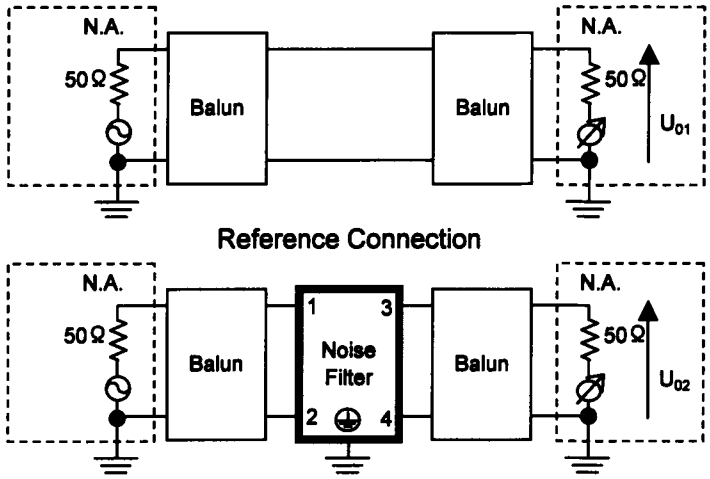
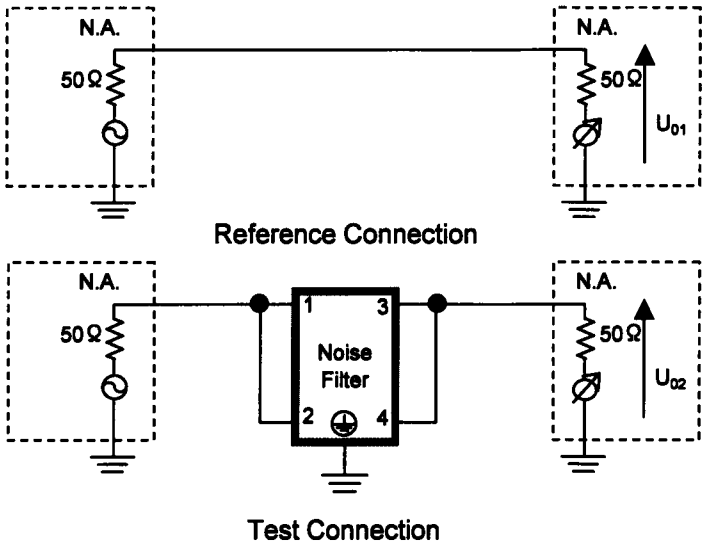


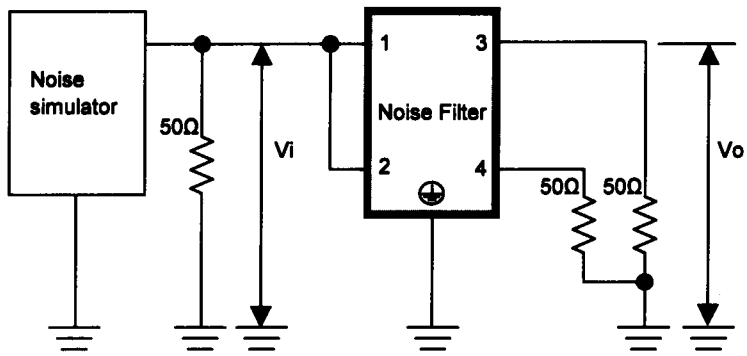
Attenuation = $20\log(U_{01}/U_{02})$ [dB]
U_{01} : Voltage in state without filters
U_{02} : Voltage in state which added filters
N.A. : Network Analyzer

Figure A - 1 Differential mode attenuation measurement

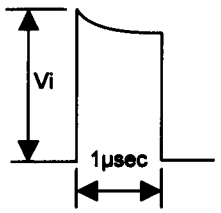


Attenuation = $20\log(U_{01}/U_{02})$ [dB]
U_{01} : Voltage in state without filters
U_{02} : Voltage in state which added filters
N.A. : Network Analyzer

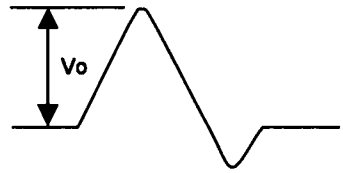
Figure A - 2 Common mode attenuation measurement



Pulse attenuation measurement

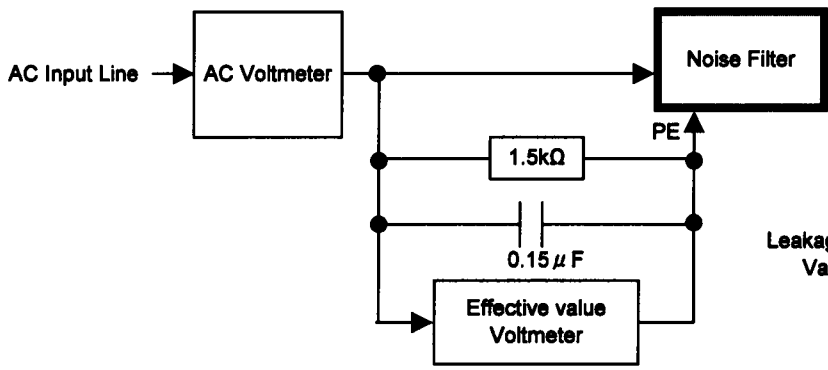


Input impulse waveform



Output impulse waveform

Figure B Pulse attenuation measurement



$$\text{Leakage Current Value [A]} = \frac{\text{Effective Value of Voltmeter [V]}}{\text{1.5K [Ω]}}$$

Figure C Leakage current measurement (UL1283)