

TEST DATA OF NAP-20-□□□

Noise Filter

Apr. 22. 2005

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Prepared by : Tadayuki Noda Design Engineer

COSEL CO.,LTD.

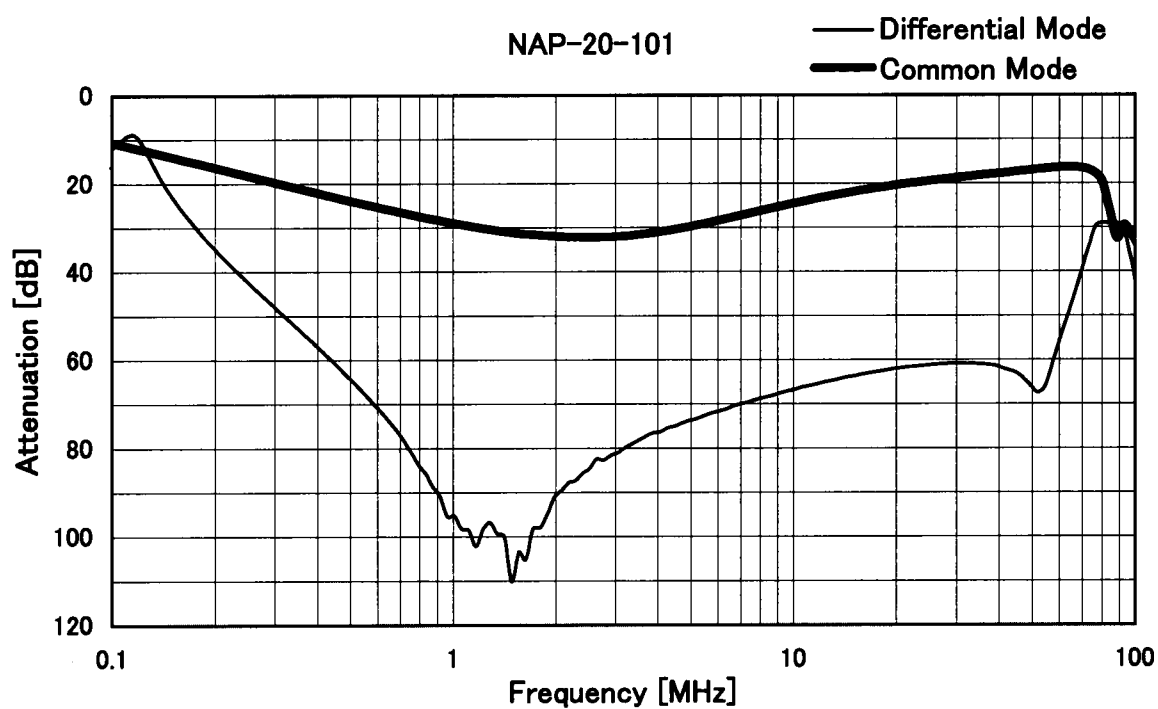
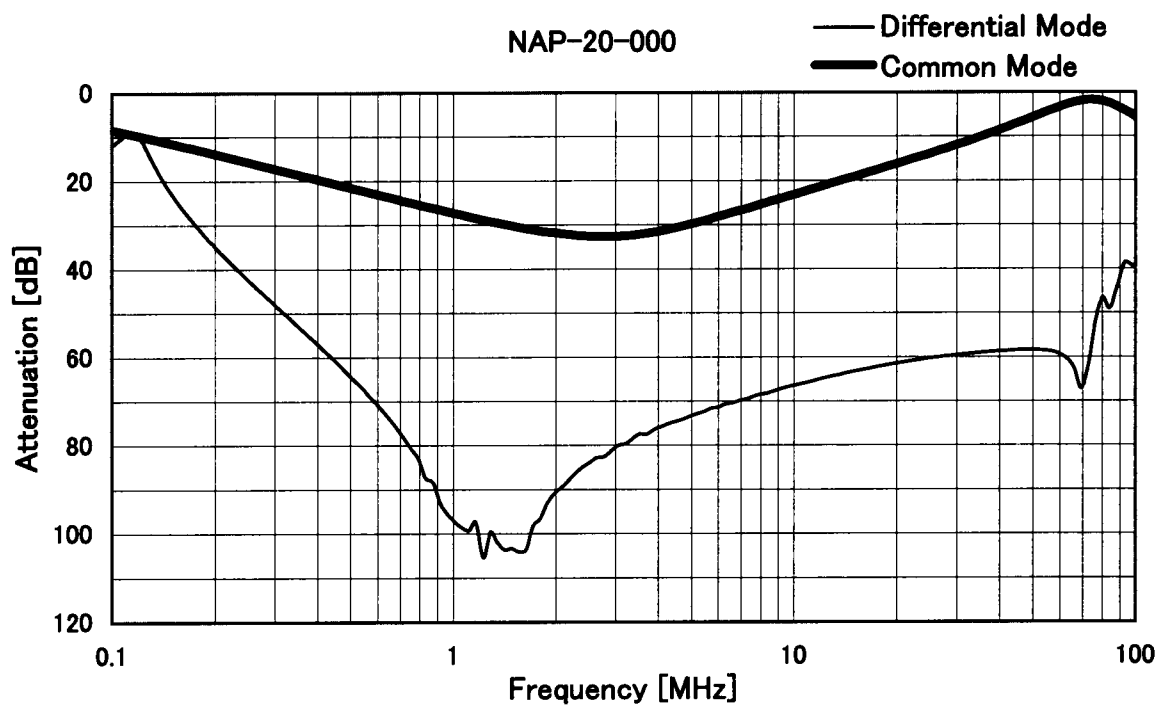
CONTENTS

1. Attenuation Characteristics	1
2. Pulse Attenuation Characteristics	6
3. Leakage Current	9
4. Figure of Testing Circuitry	10

(Final Page 11)

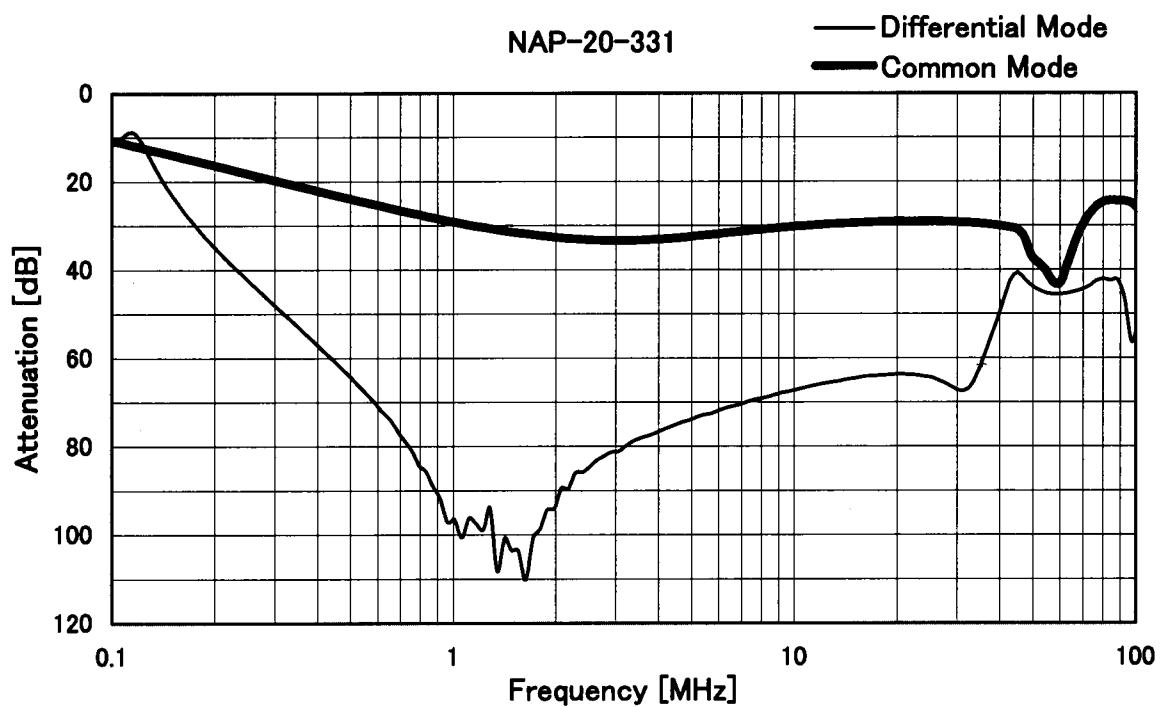
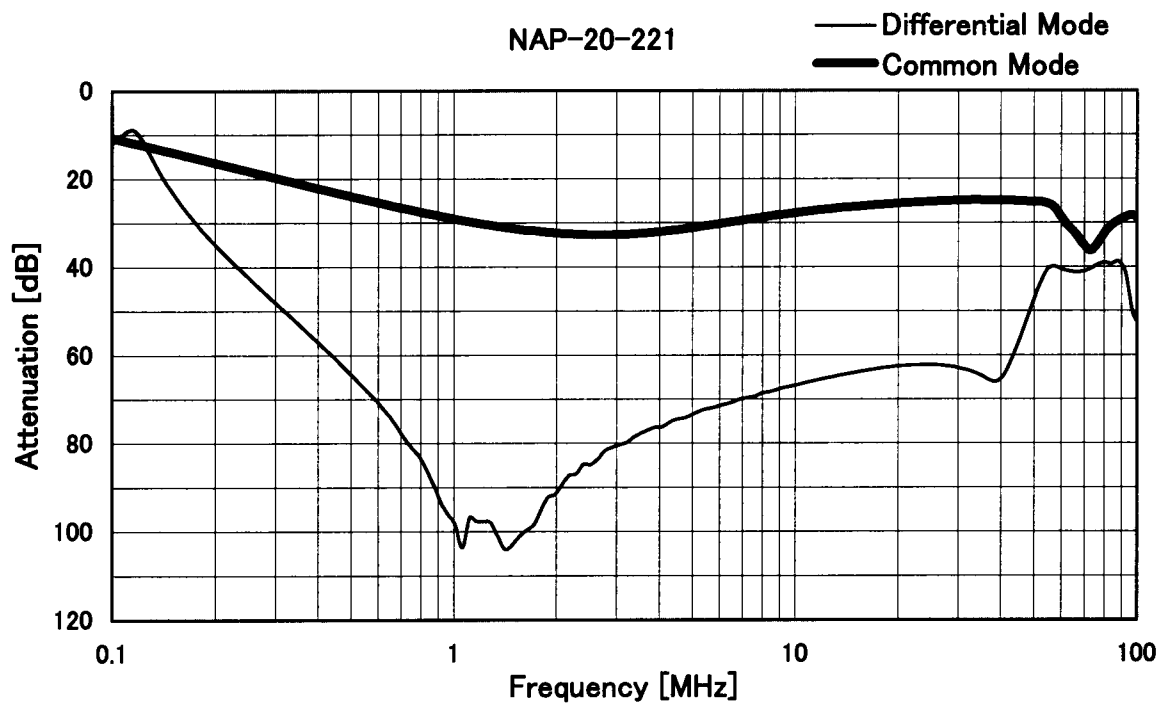
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Model	NAP-20-□□□	Temperature 25°C Testing Circuitry Figure A
Item	Attenuation Characteristics	
Object	_____	



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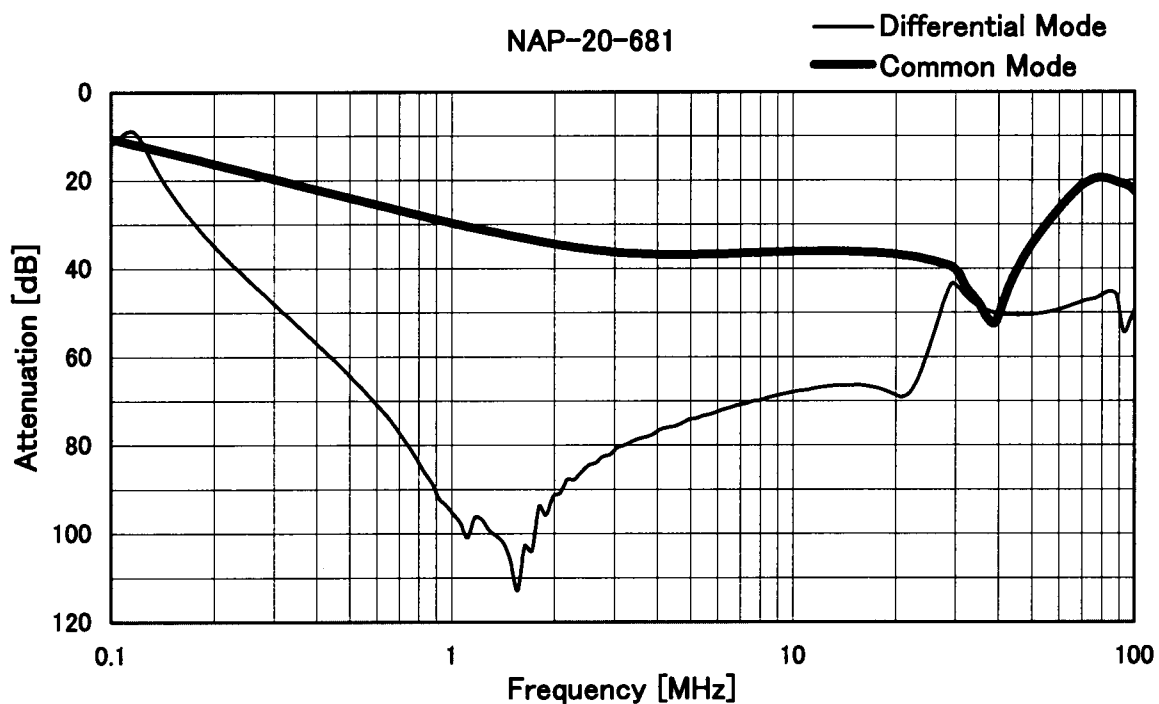
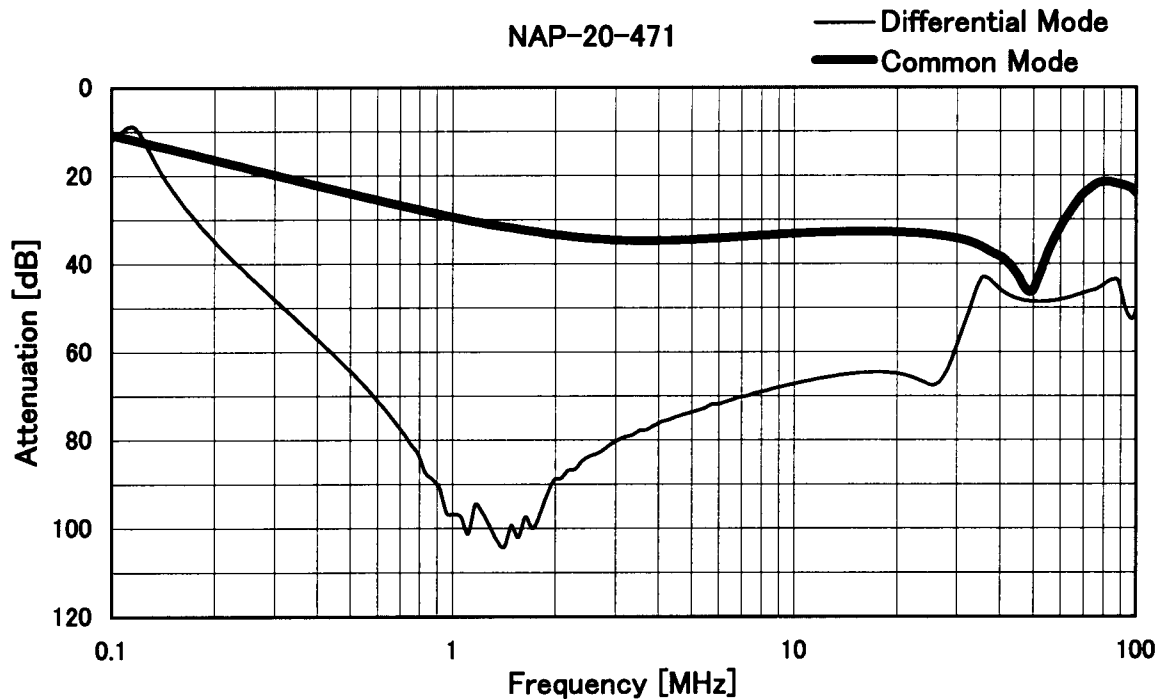
Model	NAP-20-□□□	Temperature	25°C
Item	Attenuation Characteristics	Testing Circuitry	Figure A
Object	_____		



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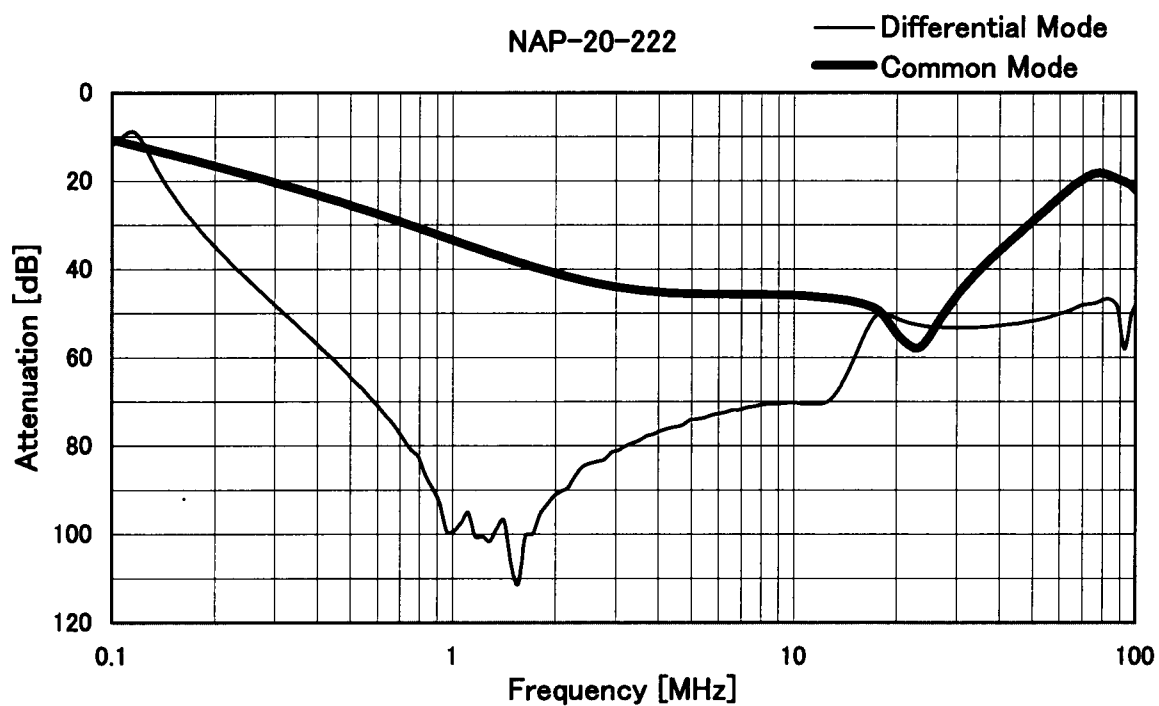
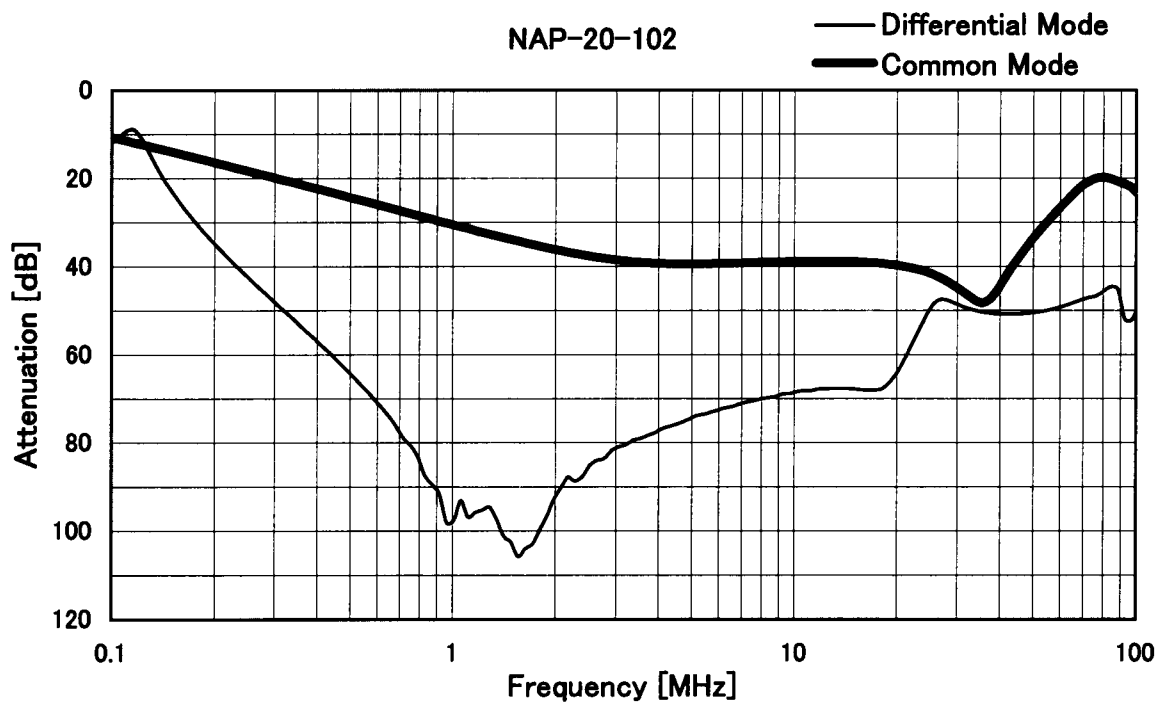
Model	NAP-20-□□□
Item	Attenuation Characteristics
Object	_____

Temperature 25°C
Testing Circuitry Figure A



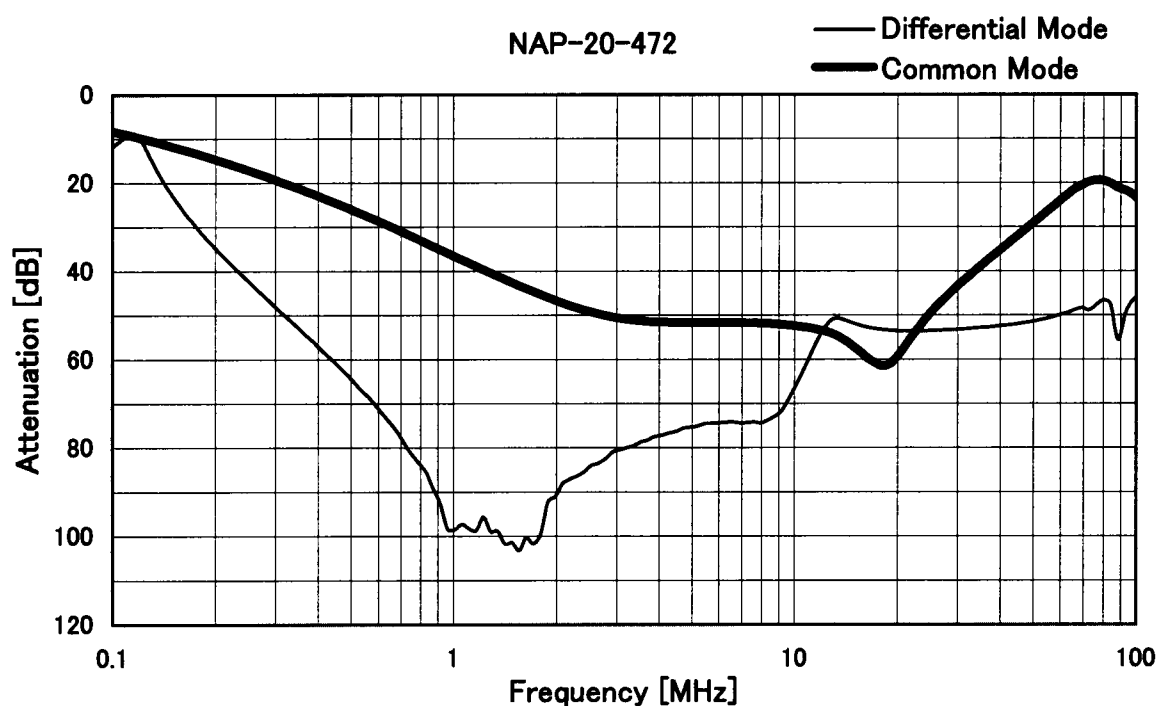
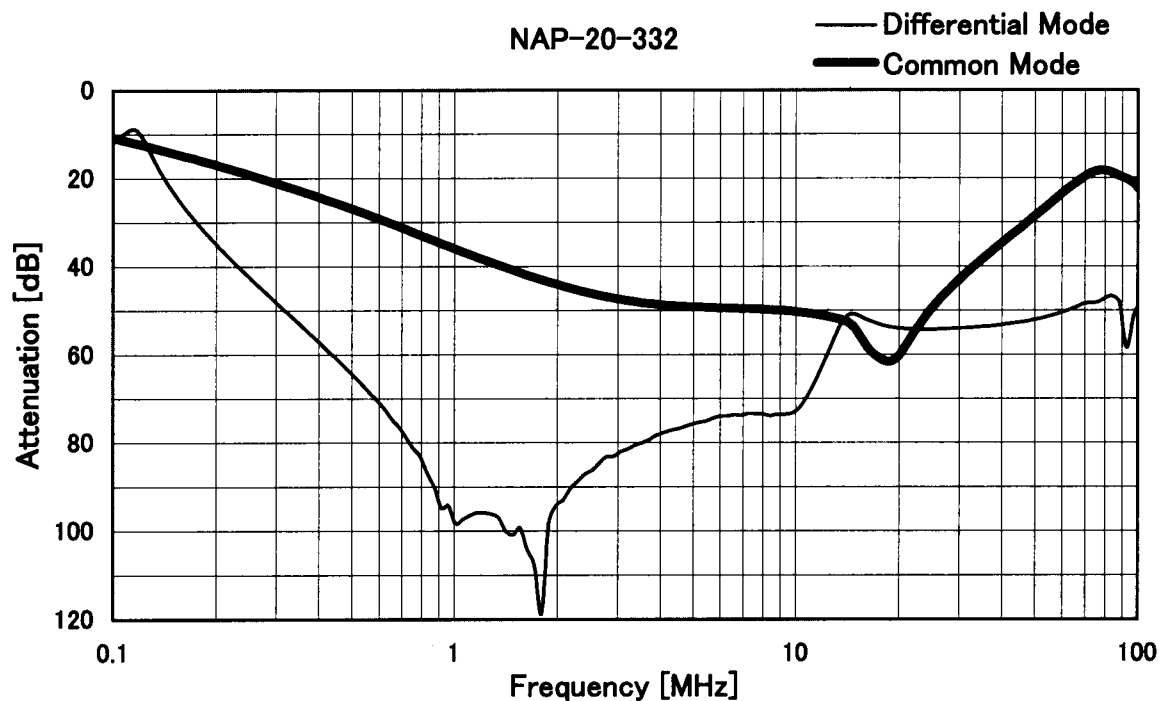
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Model	NAP-20-□□□	Temperature	25°C
Item	Attenuation Characteristics	Testing Circuitry	Figure A
Object	_____		

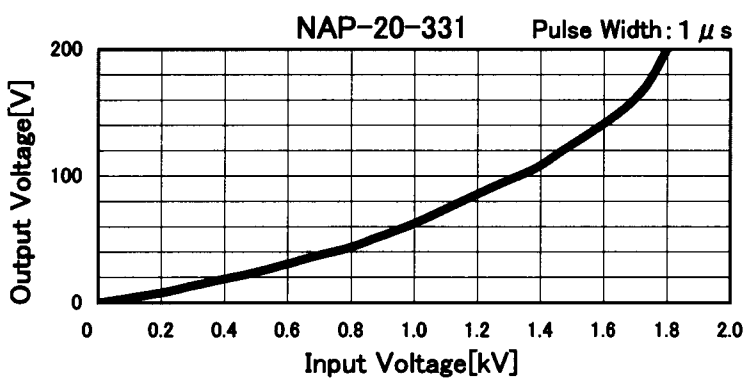
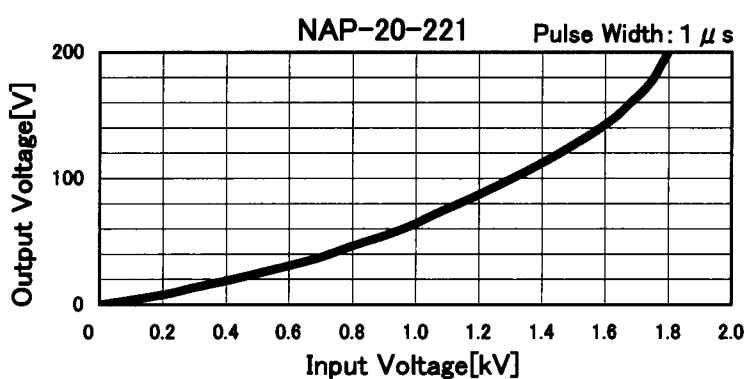
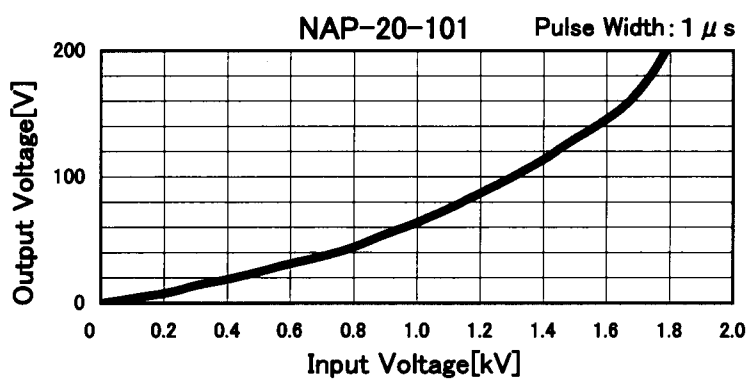
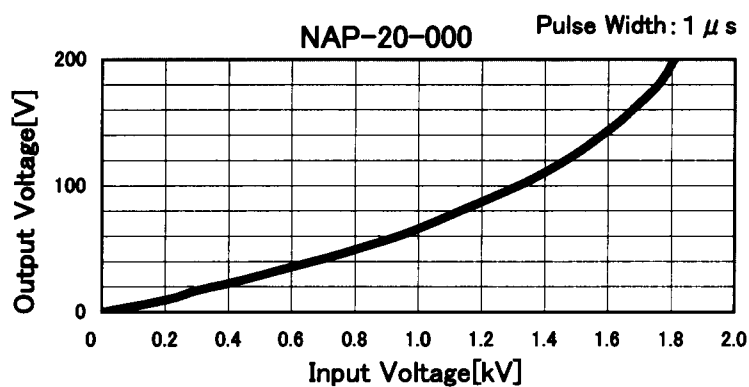


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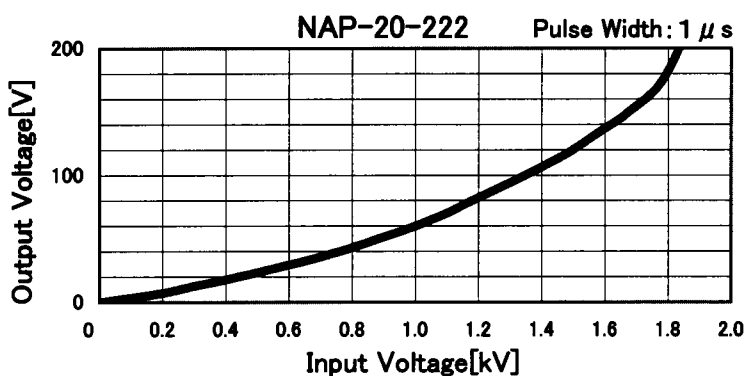
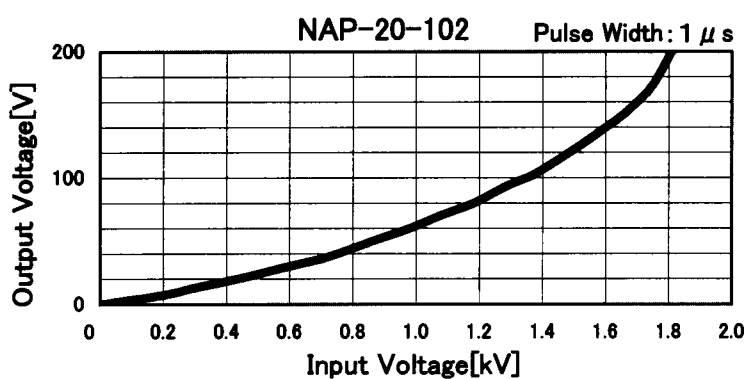
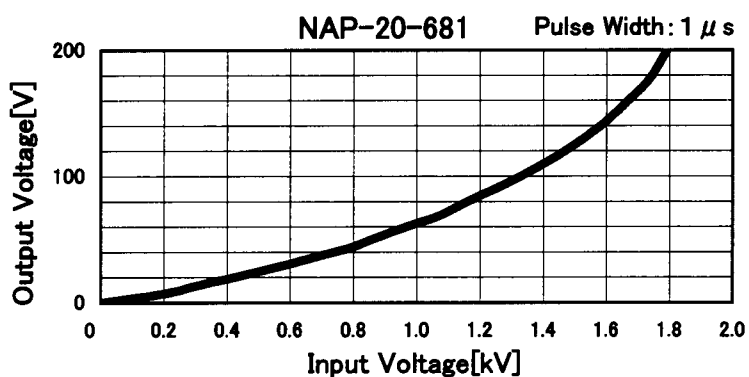
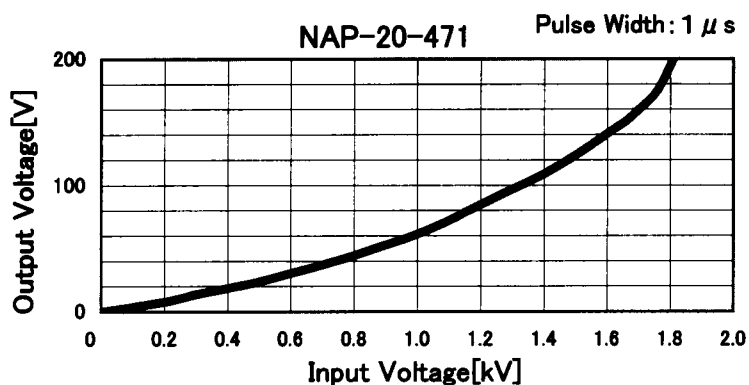
Model	NAP-20-□□□	Temperature	25°C
Item	Attenuation Characteristics	Testing Circuitry	Figure A
Object	_____		



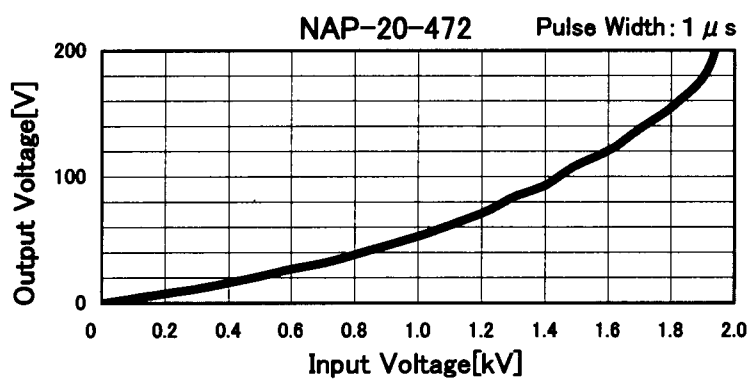
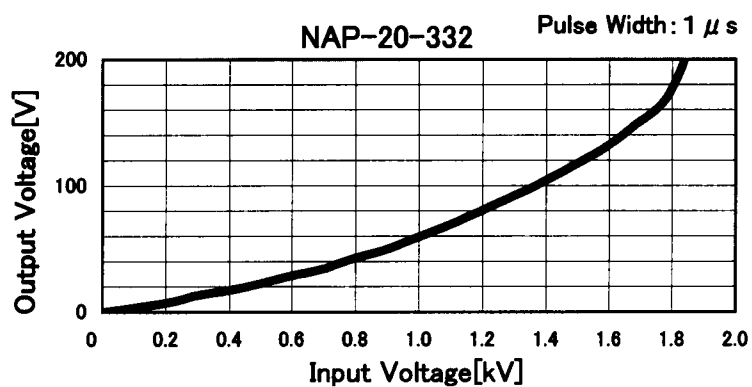
Model	NAP-20-□□□	Temperature	25°C
Item	Pulse Attenuation Characteristics	Testing Circuitry	Figure B
Object	_____		



		Temperature 25°C Testing Circuitry Figure B
Model	NAP-20-□□□	
Item	Pulse Attenuation Characteristics	
Object		



		Temperature 25°C Testing Circuitry Figure B
Model	NAP-20-□□□	
Item	Pulse Attenuation Characteristics	
Object		





Model		NAP-20-□□□	Temperature 25°C Testing Circuitry Figure C
Item		Leakage Current	
Object		_____	

1.Results

[mA]

Model	Standards	Input Volt.				Note
		100 [V]	125 [V]	230 [V]	250 [V]	
NAP-20-000	UL1283	0.002	0.002	0.004	0.005	
NAP-20-101	UL1283	0.006	0.007	0.013	0.015	
NAP-20-221	UL1283	0.011	0.013	0.025	0.028	
NAP-20-331	UL1283	0.015	0.019	0.038	0.042	
NAP-20-471	UL1283	0.023	0.030	0.061	0.069	
NAP-20-681	UL1283	0.031	0.040	0.082	0.093	
NAP-20-102	UL1283	0.044	0.056	0.110	0.120	
NAP-20-222	UL1283	0.090	0.120	0.230	0.250	
NAP-20-332	UL1283	0.130	0.170	0.340	0.370	
NAP-20-472	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.

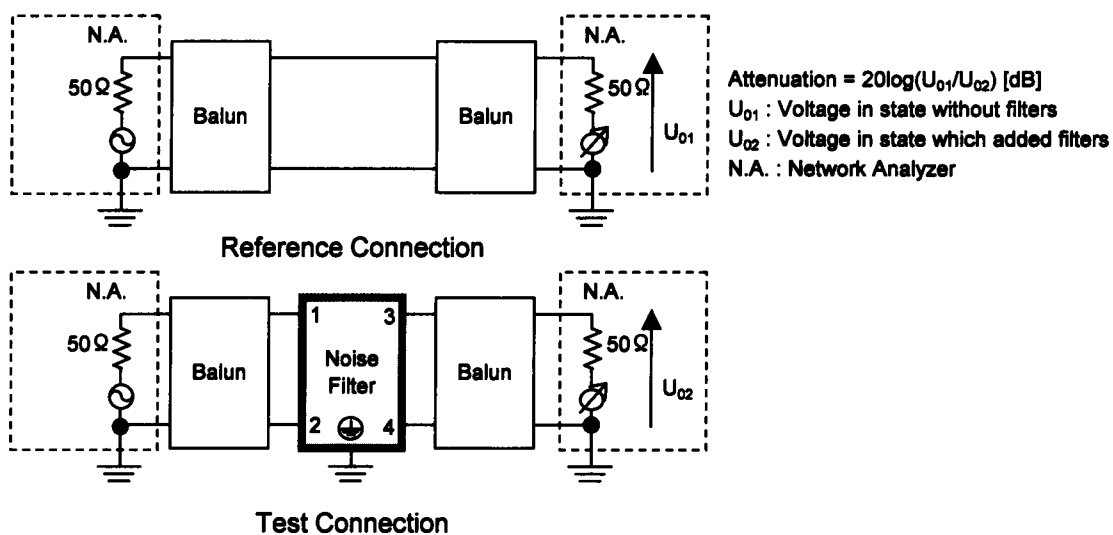


Figure A - 1 Differential mode attenuation measurement

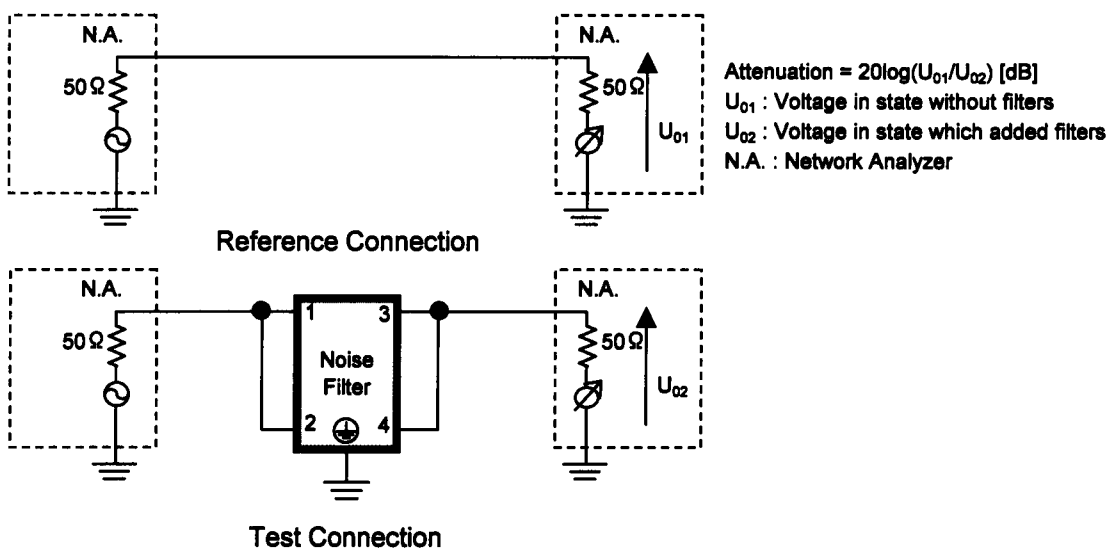
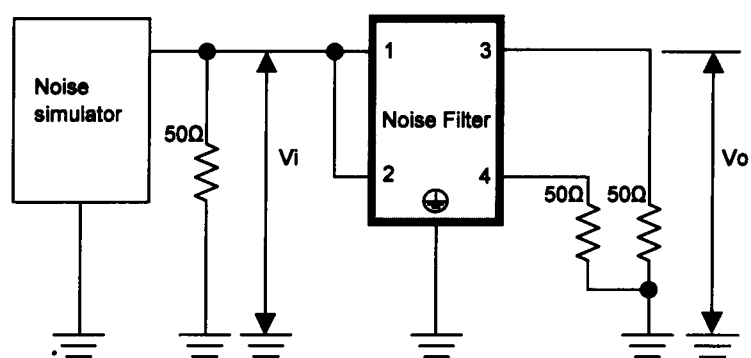


Figure A - 2 Common mode attenuation measurement



Pulse attenuation measurement

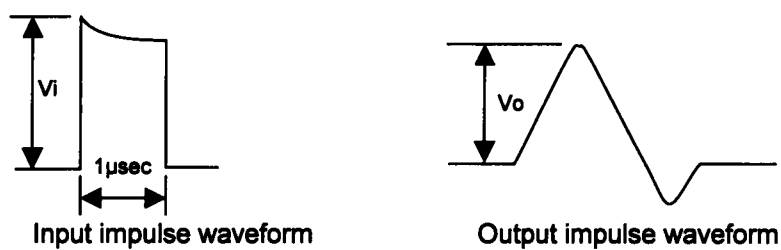


Figure B Pulse attenuation measurement

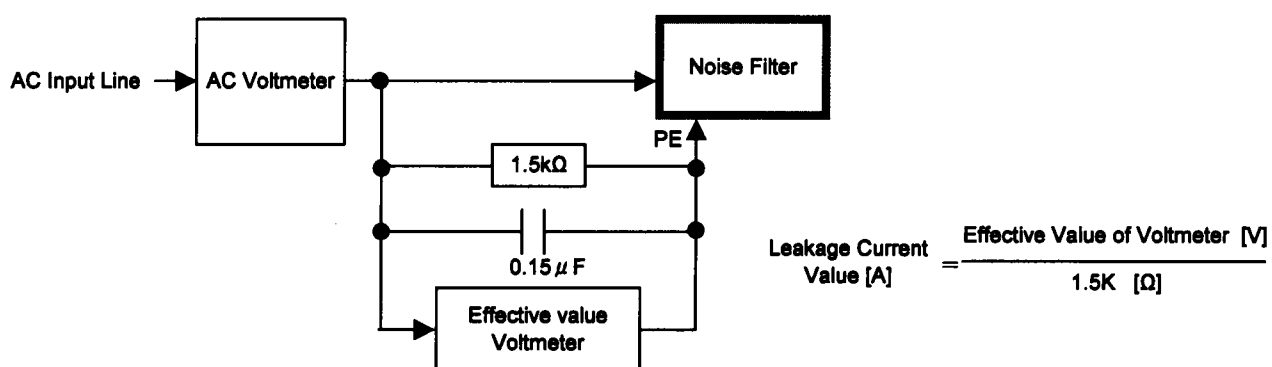


Figure C Leakage current measurement (UL1283)