COSEL

参考資料

TEST DATA OF NAC-16-□□□

Noise Filter

Apr. 22. 2005

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Tadayuki Noda — Design Engineer

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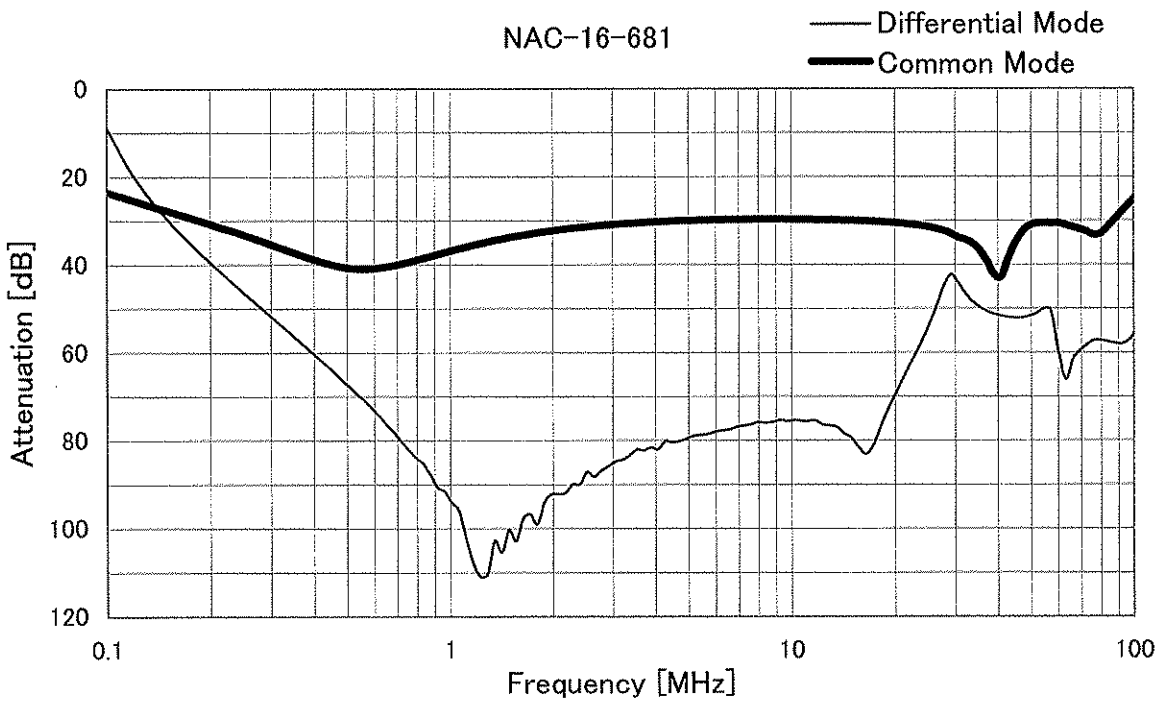

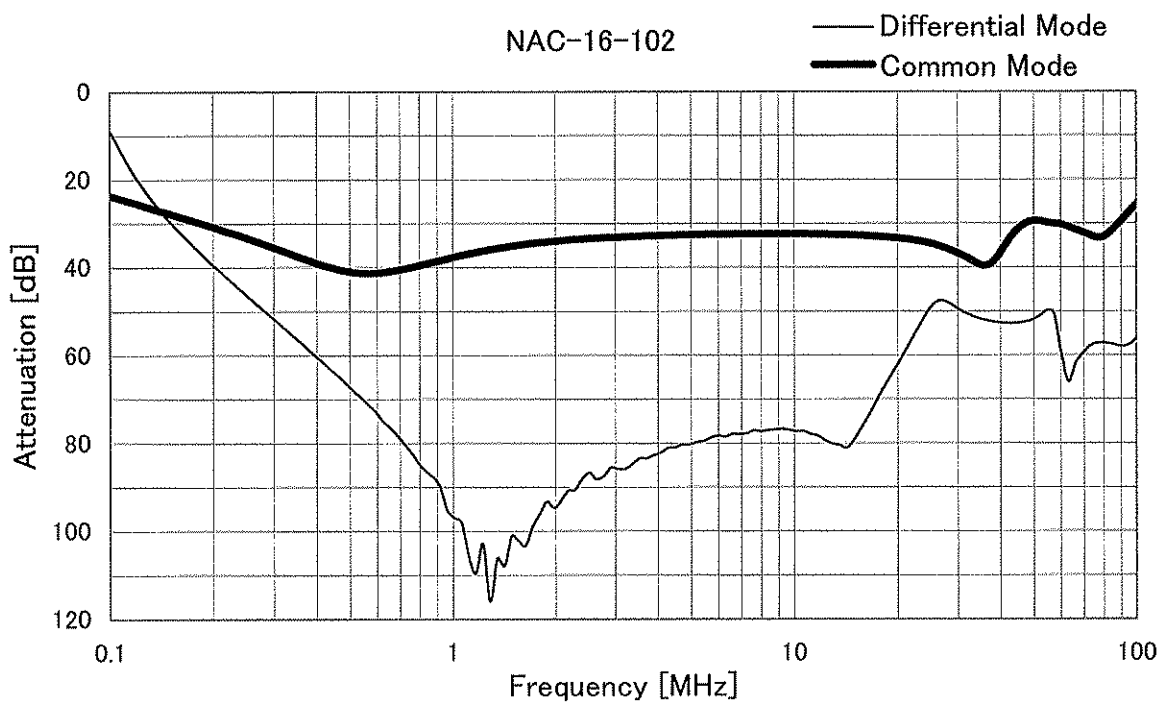

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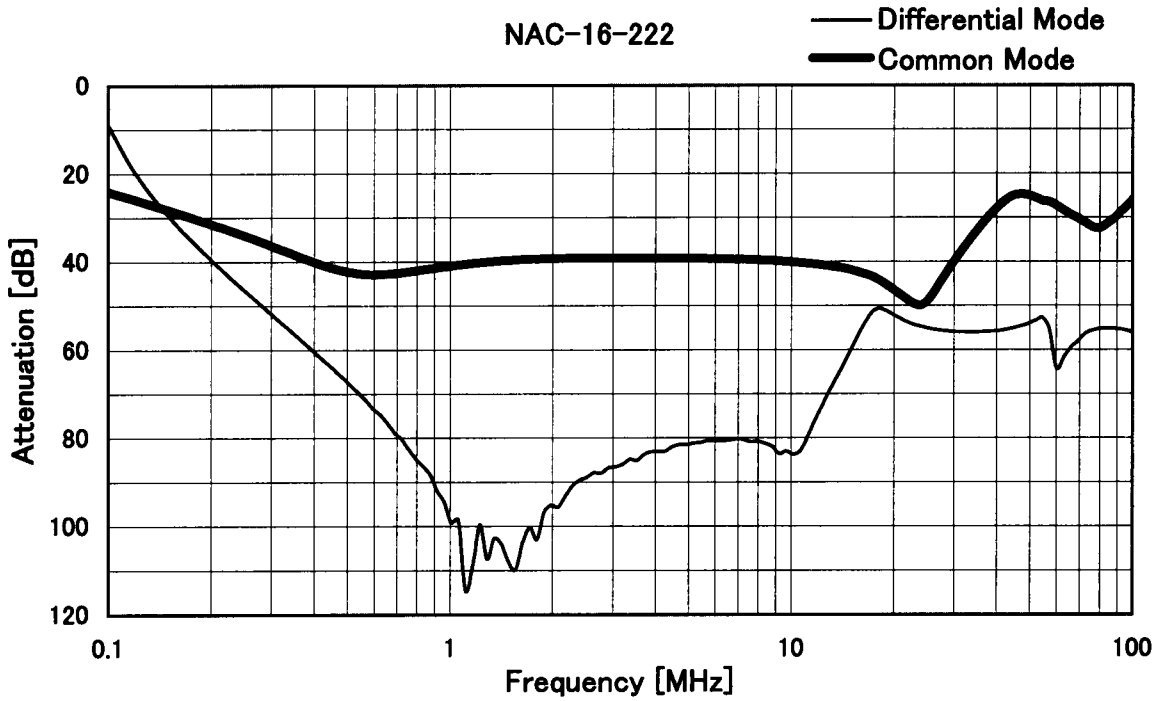
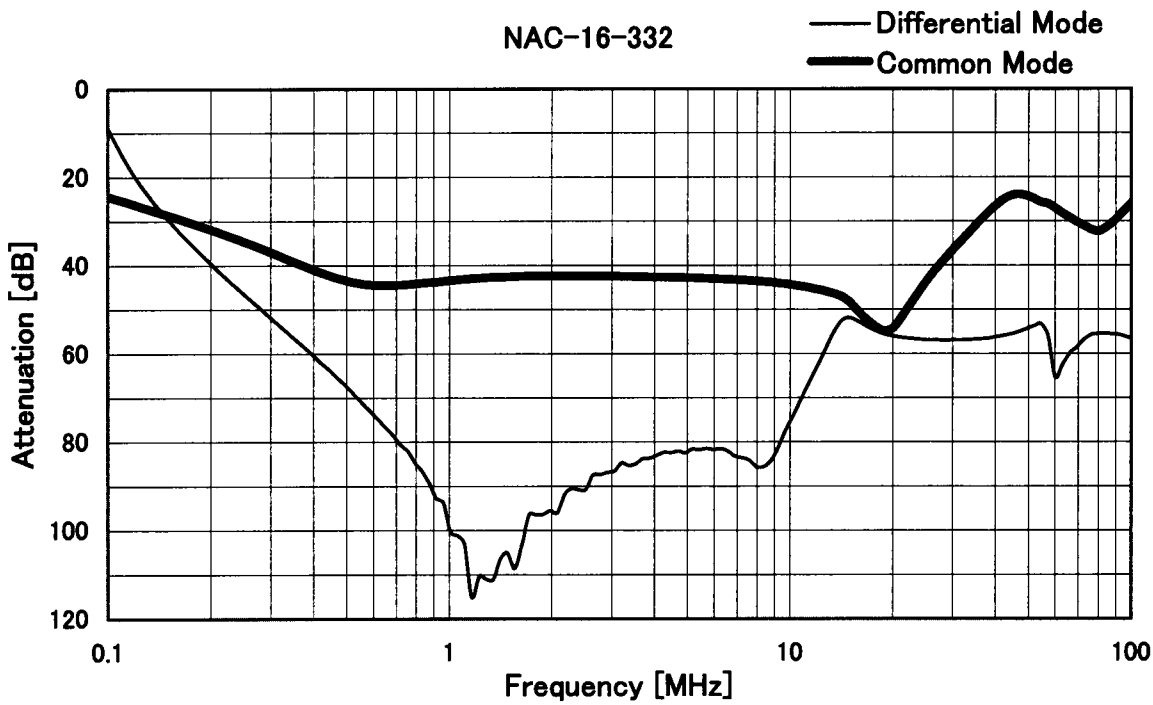
Model	NAC-16-□□□	
Item	Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure A
Object	———————	





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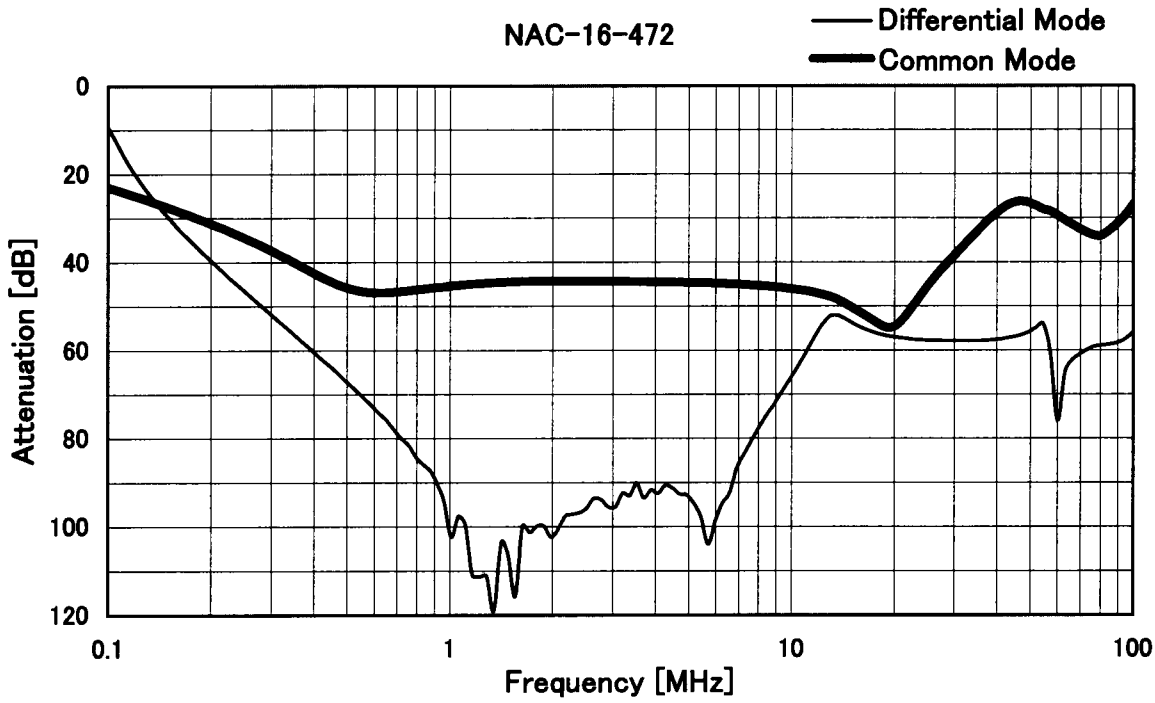
Model	NAC-16-□□□		
Item	Attenuation Characteristics	Temperature	25°C
Object	———————	Testing Circuitry	Figure A



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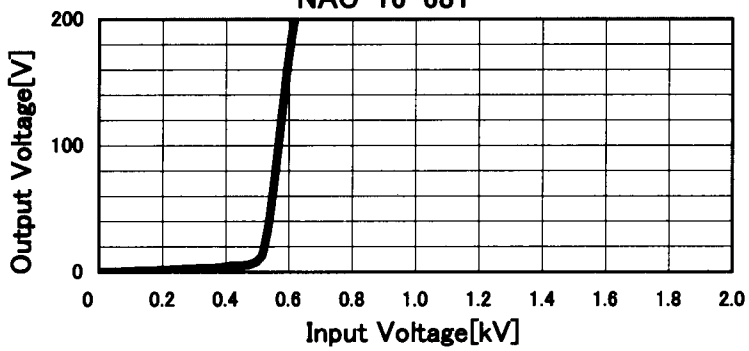
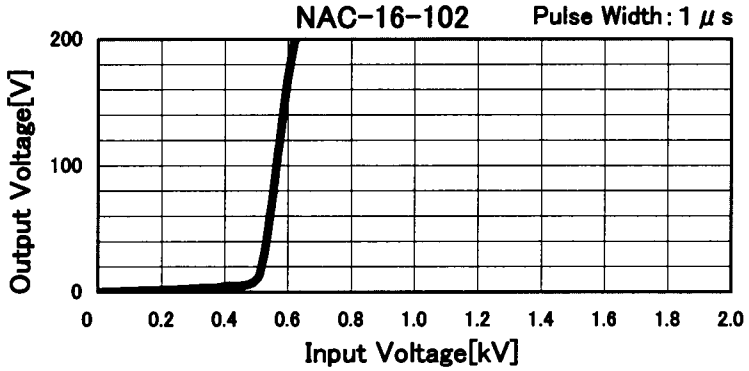
Model	NAC-16-□□□	
Item	Pulse Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure B
Object	———	

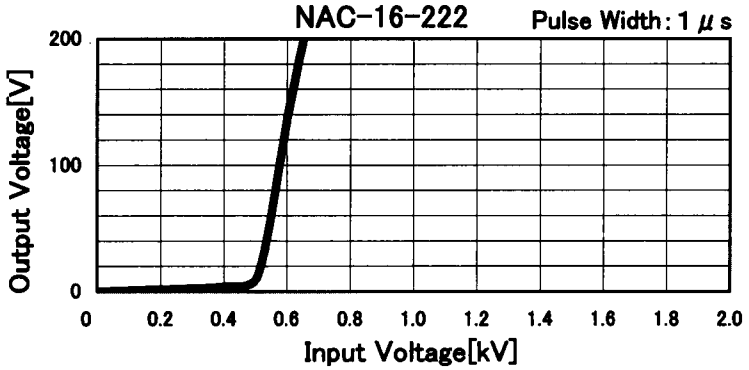
NAC-16-681 Pulse Width: 1 μs



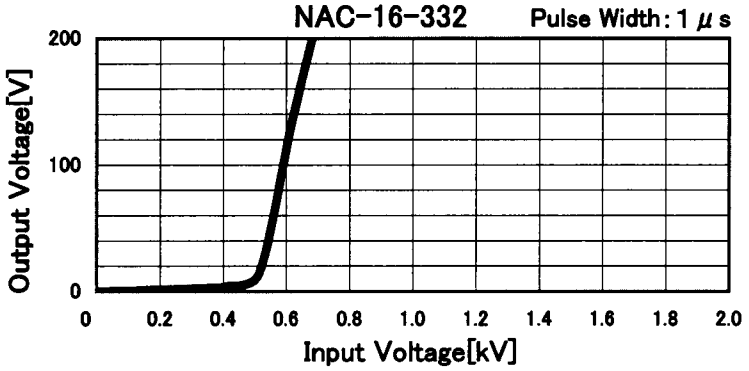
NAC-16-102 Pulse Width: 1 μs



NAC-16-222 Pulse Width: 1 μs



NAC-16-332 Pulse Width: 1 μs



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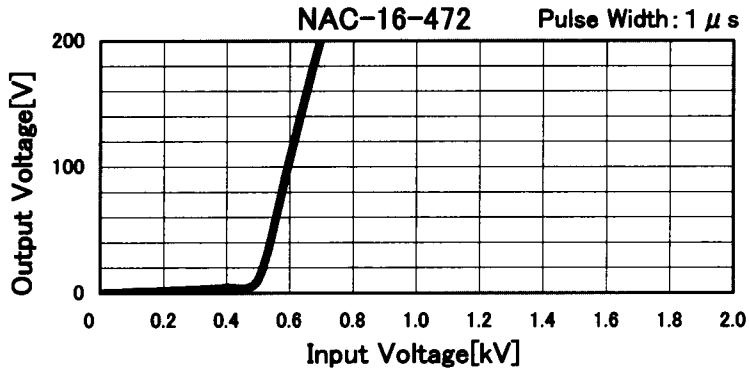
Model	NAC-16-□□□	
Item	Pulse Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure B
Object	———————	



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Model	NAC-16-□□□	
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]	
NAC-16-681	UL1283	0.031	0.040	0.082	0.093	
NAC-16-102	UL1283	0.044	0.056	0.110	0.120	
NAC-16-222	UL1283	0.090	0.120	0.230	0.250	
NAC-16-332	UL1283	0.130	0.170	0.340	0.370	
NAC-16-472	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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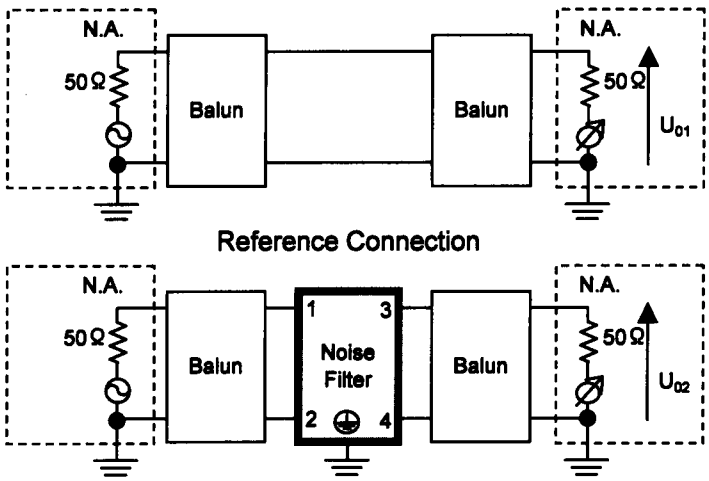
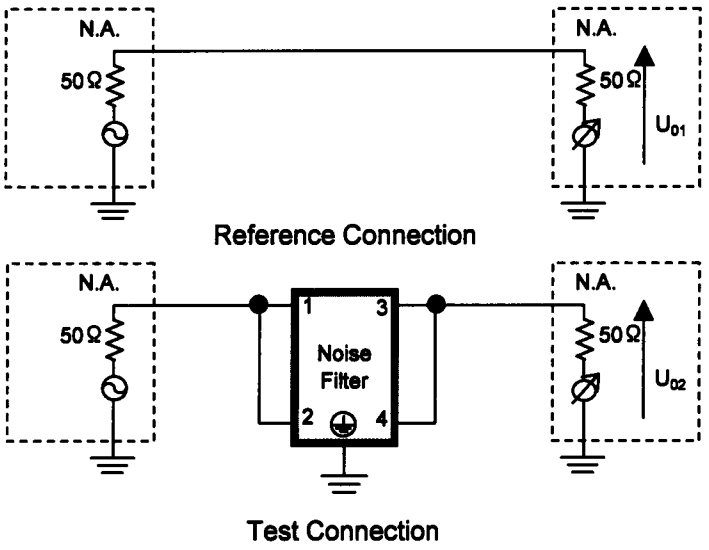


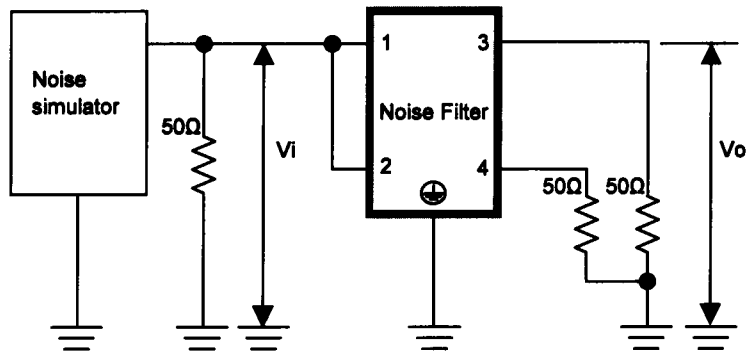
Attenuation = 20log(U_{01}/U_{02}) [dB]
U_{01} : Voltage in state without filters
U_{02} : Voltage in state which added filters
N.A. : Network Analyzer

Figure A - 1 Differential mode attenuation measurement

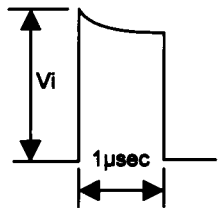


Attenuation = 20log(U_{01}/U_{02}) [dB]
U_{01} : Voltage in state without filters
U_{02} : Voltage in state which added filters
N.A. : Network Analyzer

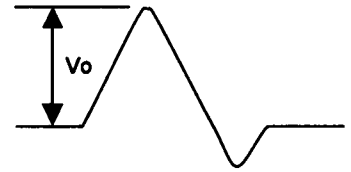
Figure A - 2 Common mode attenuation measurement



Pulse attenuation measurement

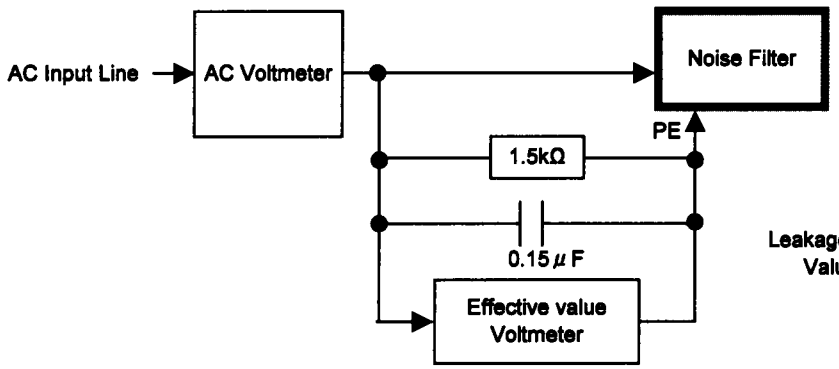


Input impulse waveform



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)