参考資料

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TEST DATA OF NAH-40-□□□

Noise Filter

Jul. 09 , 2021

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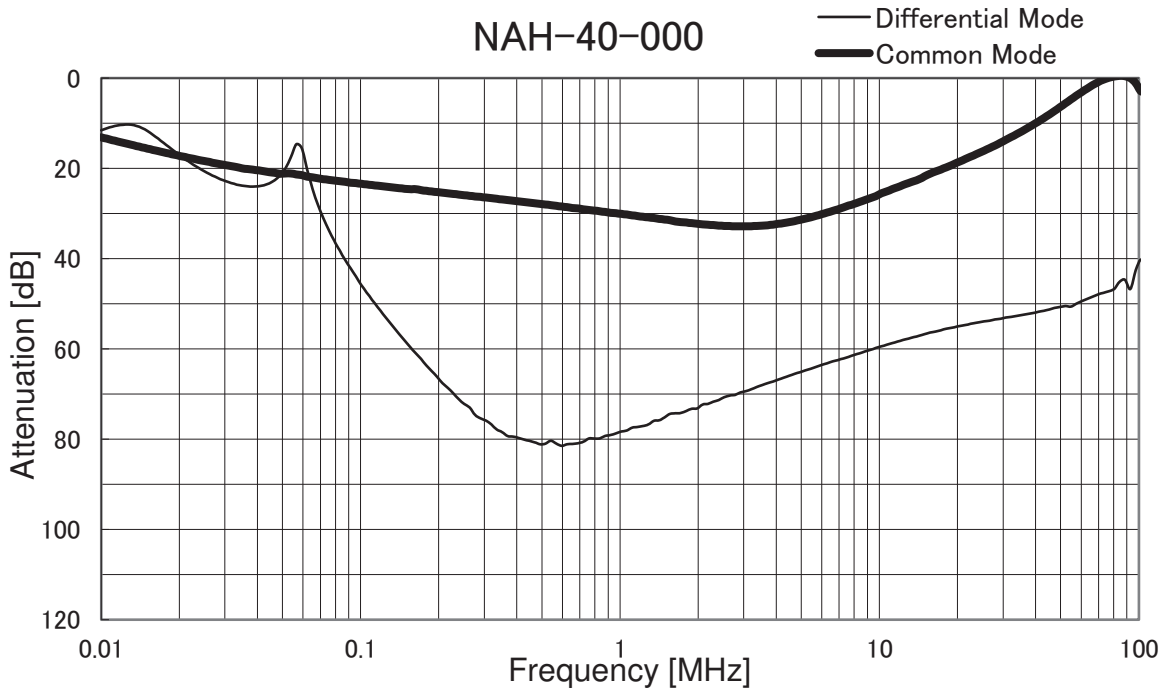

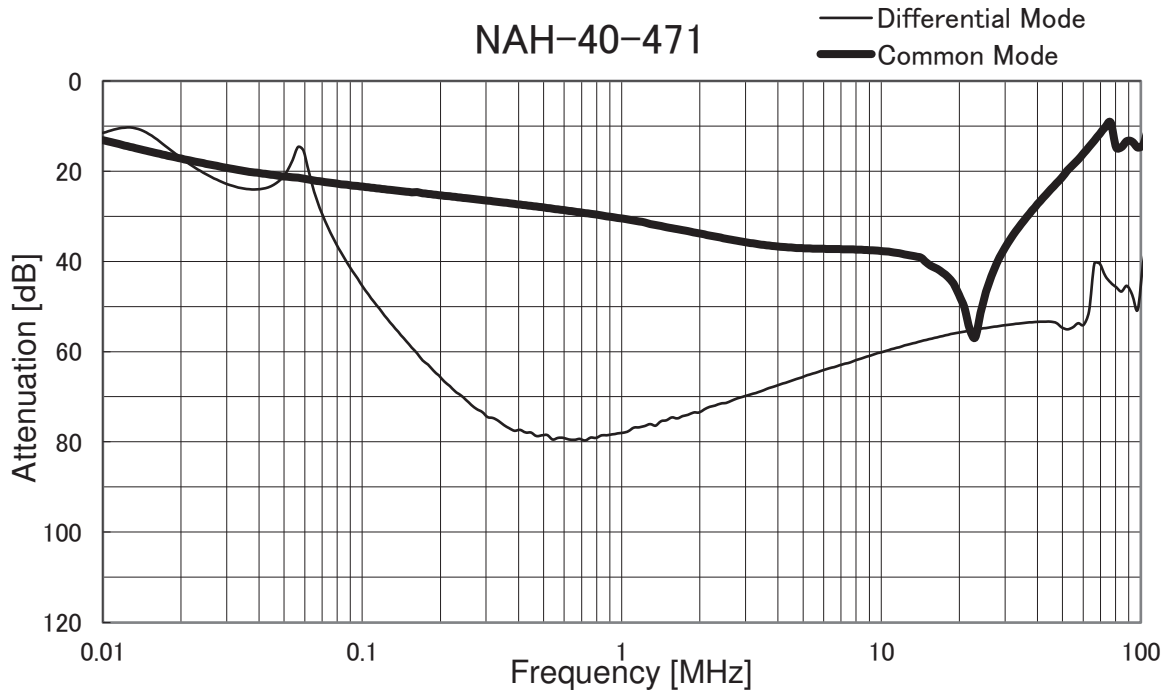

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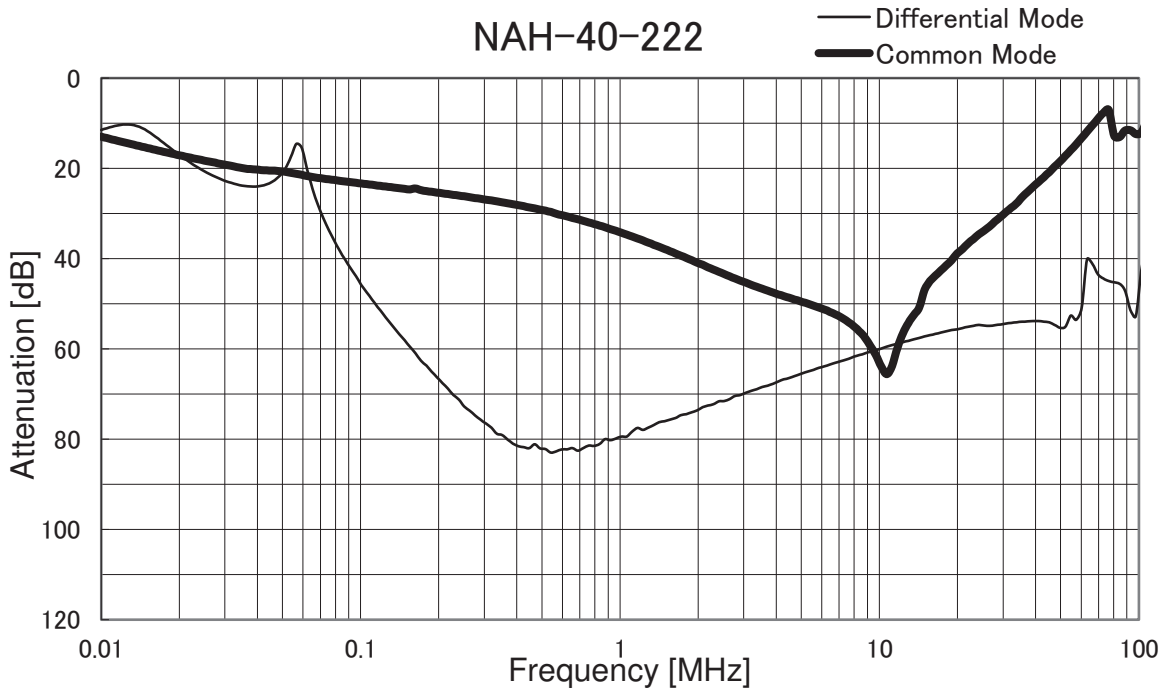

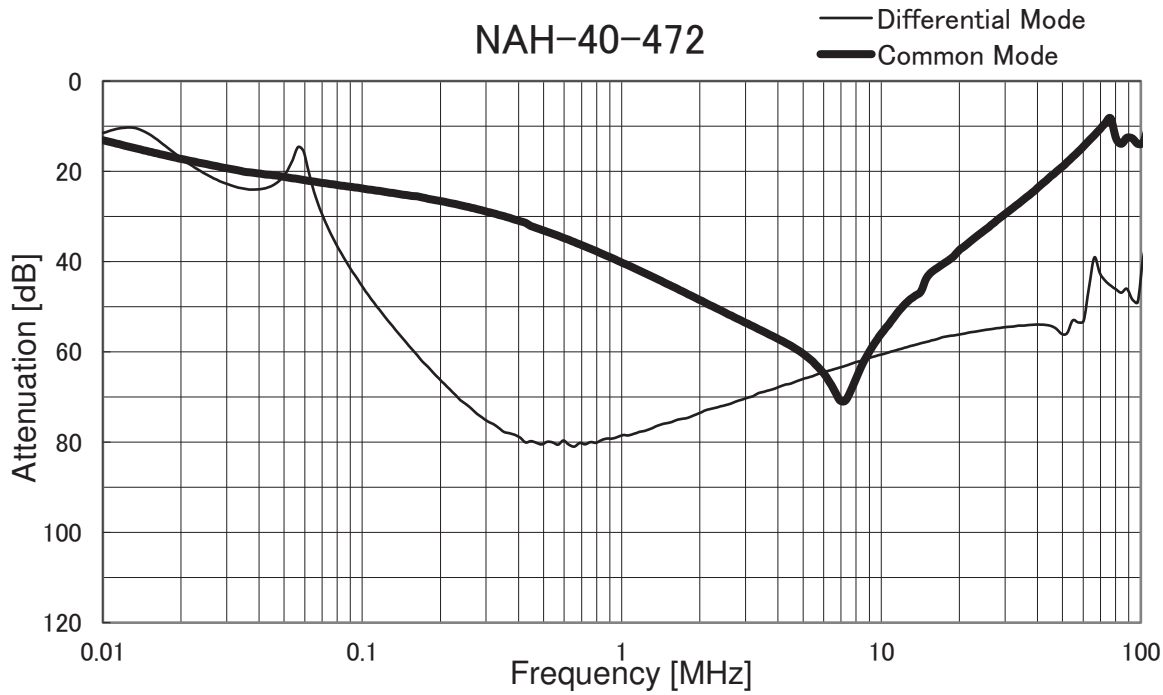

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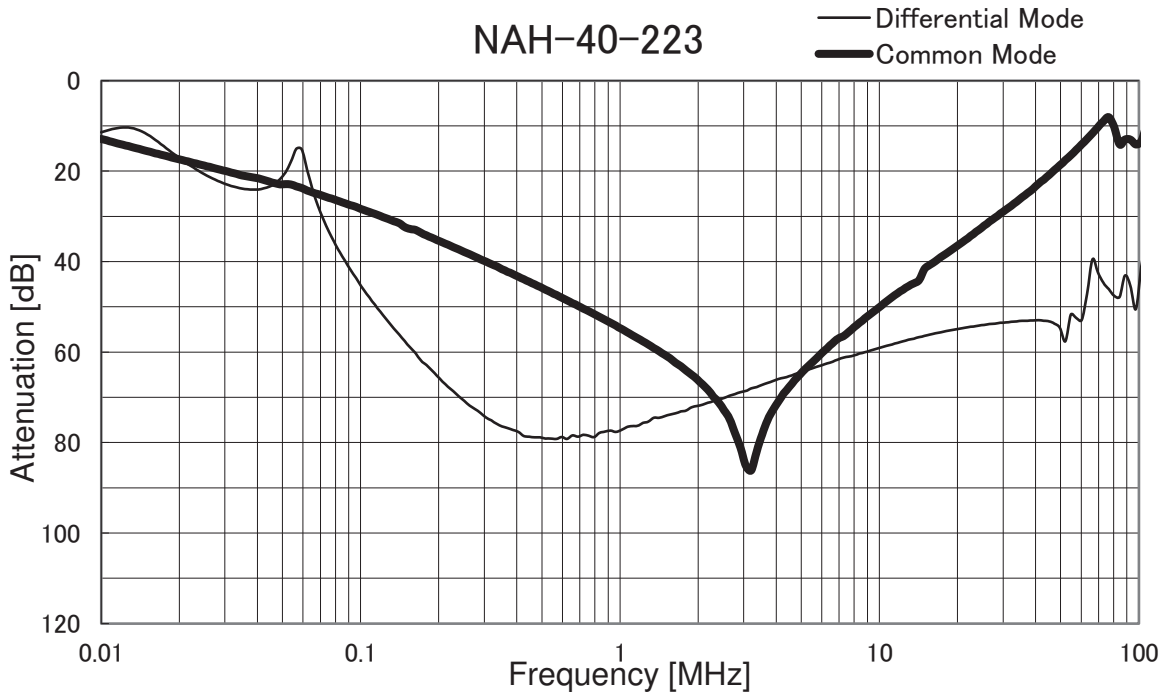

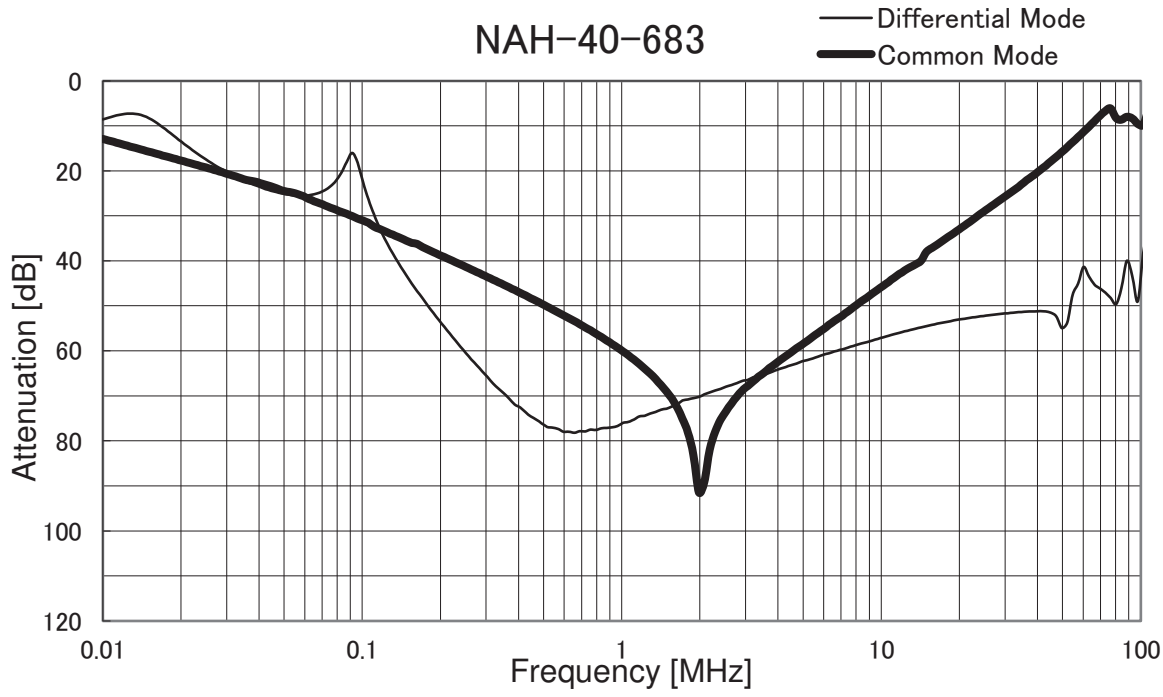

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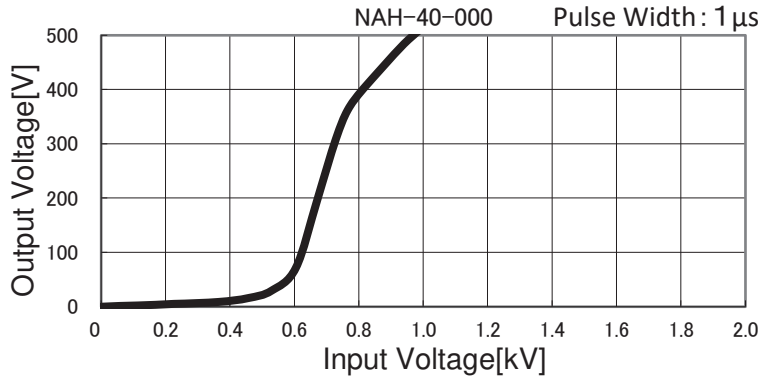
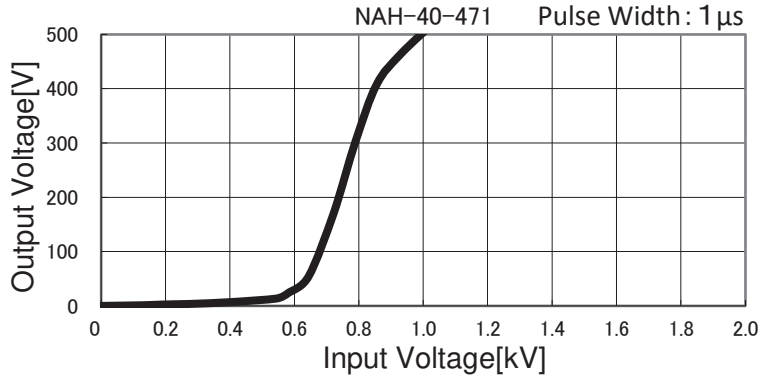
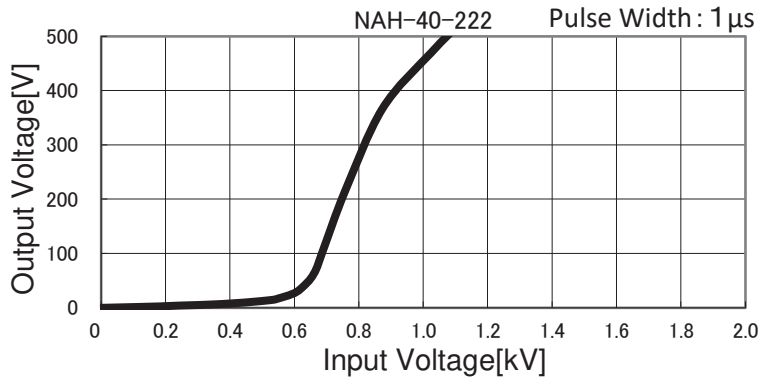
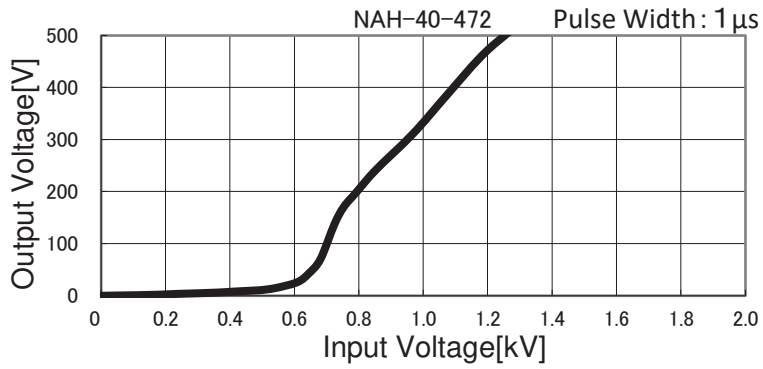
Model	NAH-40-□□□	
Item	Pulse Attenuation Characteristics	Temperature 25°C Testing Circuitry Figure B
Object	———————————	









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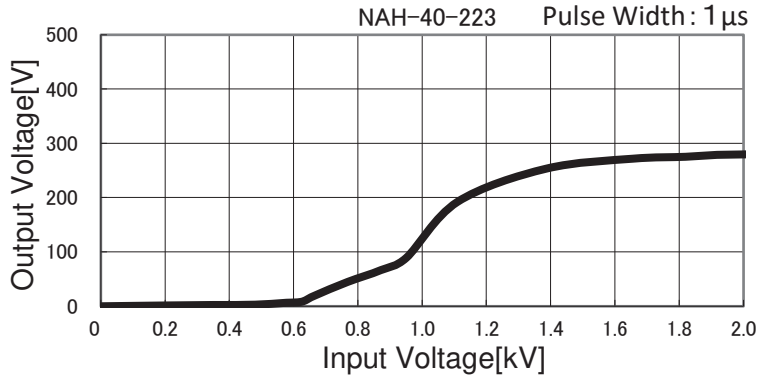

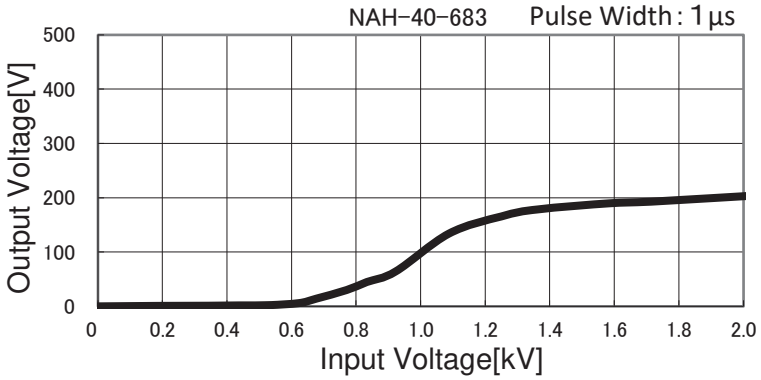

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Model	NAH-40-□□□		
Item	Leakage Current	Temperature	25°C
		Testing Circuitry	Figure C
Object	――――――――――		

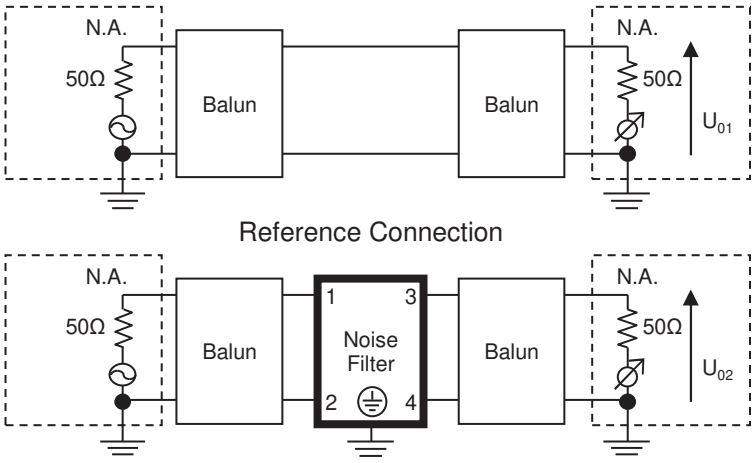
1.Results

[mA]

Model	Standards	Input Volt.					Note
		100[V]	125[V]	230[V]	250[V]	277[V]	
NAH-40-000	UL60939	0.000	0.000	0.003	0.003	0.004	
NAH-40-471	UL60939	0.025	0.033	0.070	0.077	0.087	
NAH-40-222	UL60939	0.085	0.100	0.220	0.235	0.270	
NAH-40-472	UL60939	0.175	0.225	0.480	0.530	0.600	
NAH-40-223	UL60939	0.900	1.000	1.950	2.050	2.300	
NAH-40-683	UL60939	1.200	1.500	2.800	3.000	3.450	

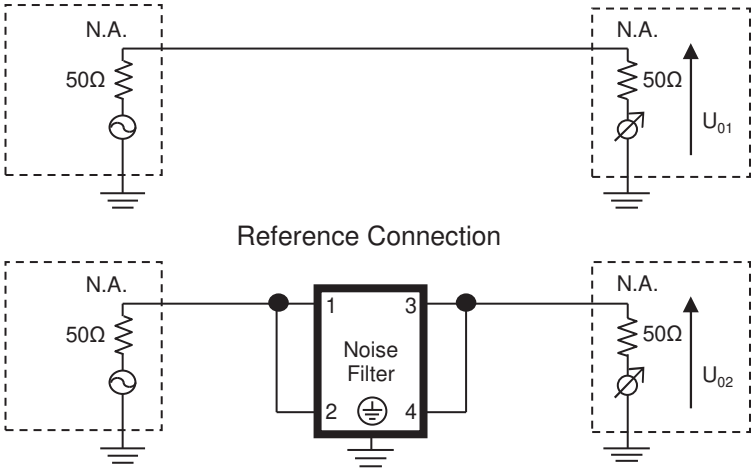
2.Condition

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



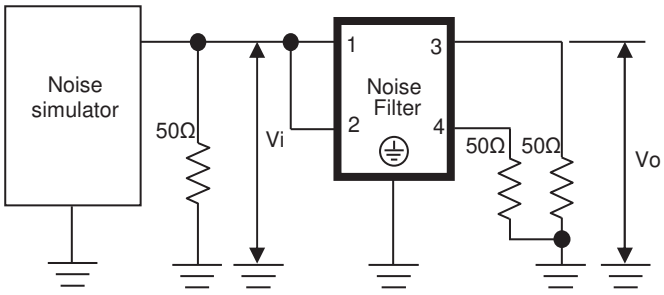
Attenuation = $20\log(U_{01}/U_{02})$ [dB]
U_{01} : Voltage in state without filters
U_{02} : Voltage in state which added filters
N.A. : Network Analyzer

Figure A - 1 Differential mode attenuation measurement

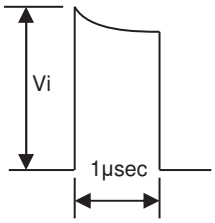


Attenuation = $20\log(U_{01}/U_{02})$ [dB]
U_{01} : Voltage in state without filters
U_{02} : Voltage in state which added filters
N.A. : Network Analyzer

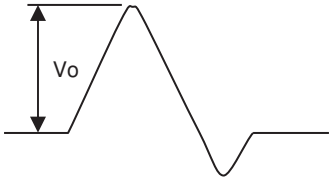
Figure A - 2 Common mode attenuation measurement



Pulse attenuation measurement

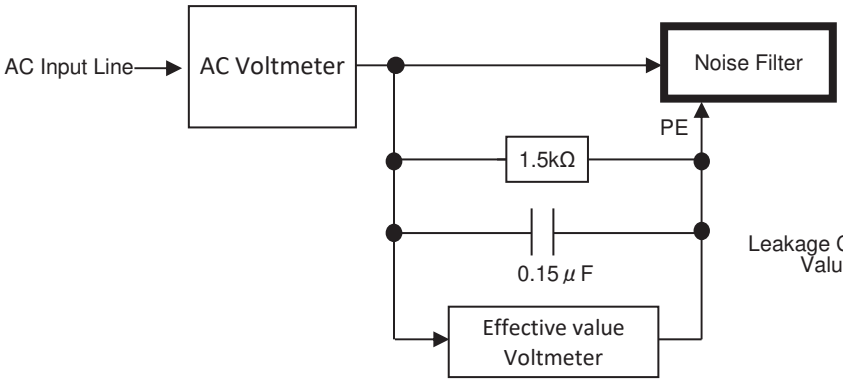


Input impulse waveform



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 (UL60939)