

# TEST DATA OF MUS1R54805

Regulated DC Power Supply  
February 4, 2025

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Design Manager

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Design Engineer

**COSEL CO.,LTD.**

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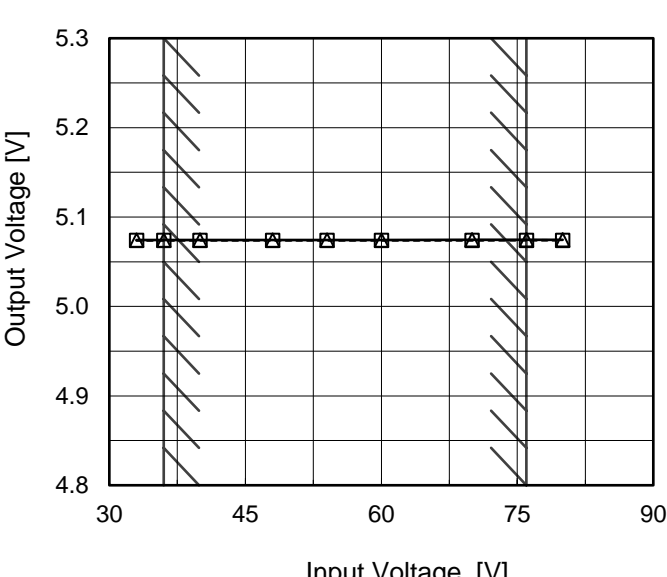
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Model		MUS1R54805	Temperature		25°C																																																			
Item		Input Current (by Load Current)	Testing Circuitry		Figure A																																																			
Object		_____																																																						
1.Graph			2.Values																																																					
<div><div><div>—△—</div><div>Input Volt.</div><div>36V</div></div><div><div>---□---</div><div>Input Volt.</div><div>48V</div></div><div><div>---○---</div><div>Input Volt.</div><div>76V</div></div></div> <p>Input Current [A]</p> <p>Load Current [A]</p> <p>Note: Slanted line shows the range of the rated load current.</p>			<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Current [A]</th></tr><tr><th>Input Volt. 36[V]</th><th>Input Volt. 48[V]</th><th>Input Volt. 76[V]</th></tr><tr><td>0.00</td><td>0.002</td><td>0.001</td><td>0.001</td></tr><tr><td>0.06</td><td>0.012</td><td>0.011</td><td>0.007</td></tr><tr><td>0.12</td><td>0.021</td><td>0.016</td><td>0.013</td></tr><tr><td>0.18</td><td>0.032</td><td>0.024</td><td>0.016</td></tr><tr><td>0.24</td><td>0.042</td><td>0.032</td><td>0.021</td></tr><tr><td>0.30</td><td>0.052</td><td>0.040</td><td>0.026</td></tr><tr><td>0.33</td><td>0.057</td><td>0.043</td><td>0.029</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>			Load Current [A]	Input Current [A]			Input Volt. 36[V]	Input Volt. 48[V]	Input Volt. 76[V]	0.00	0.002	0.001	0.001	0.06	0.012	0.011	0.007	0.12	0.021	0.016	0.013	0.18	0.032	0.024	0.016	0.24	0.042	0.032	0.021	0.30	0.052	0.040	0.026	0.33	0.057	0.043	0.029	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-
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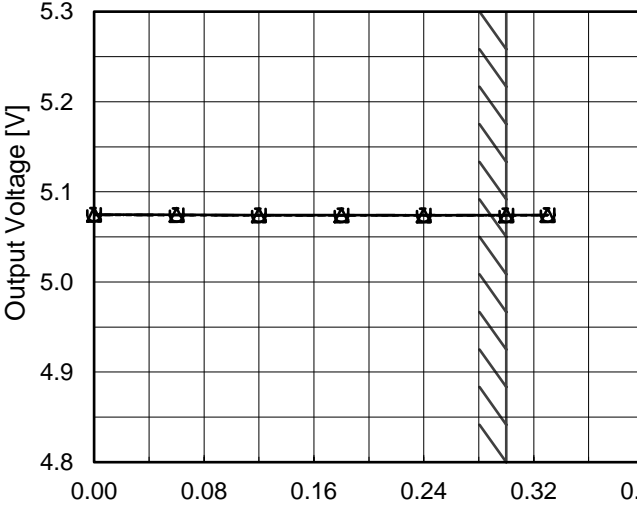
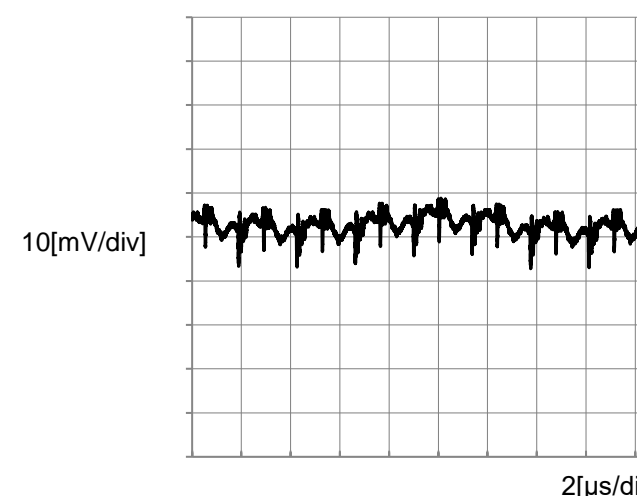
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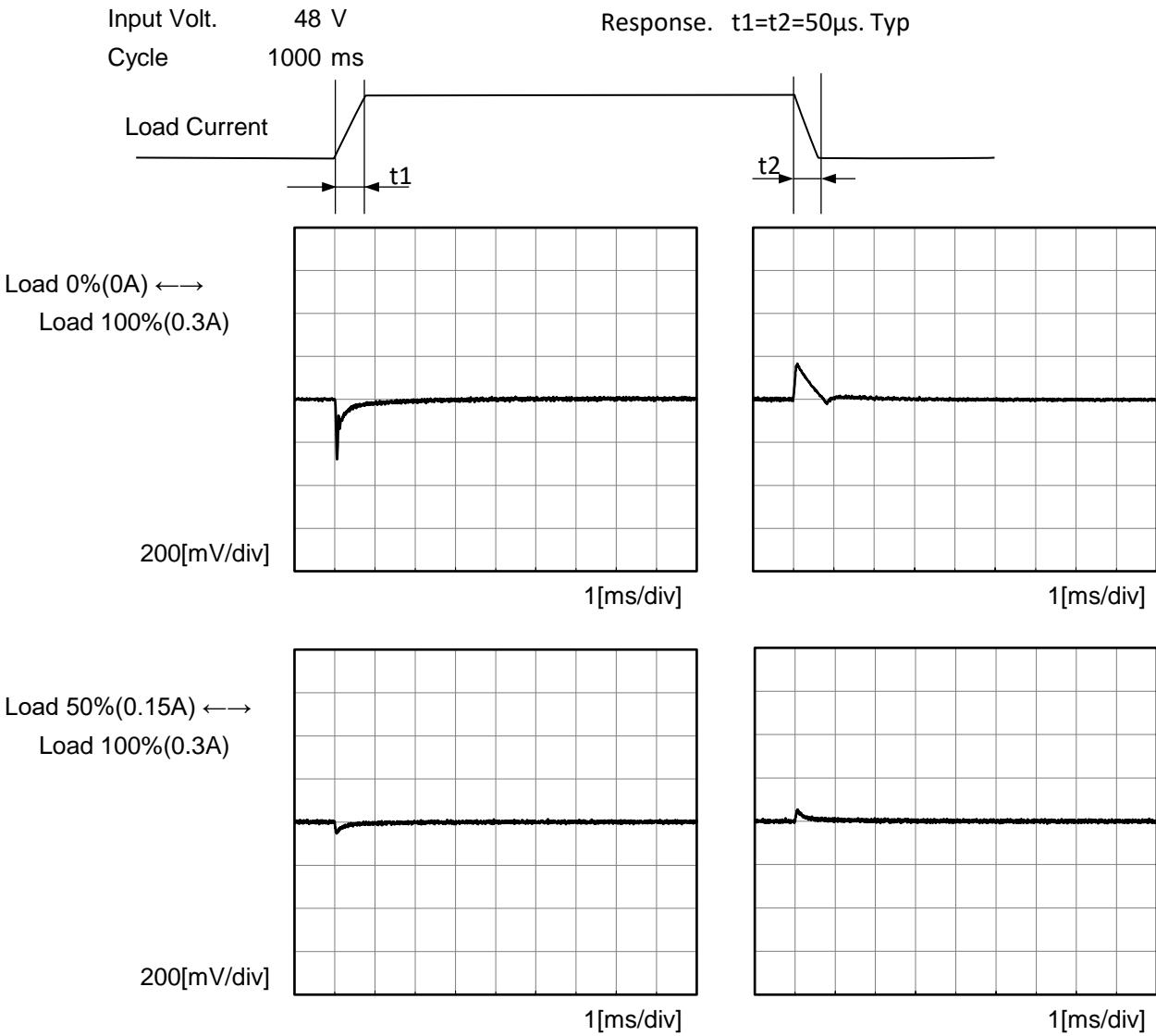
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Item	Line Regulation	Temperature	25°C																																
Object	+5V0.3A	Testing Circuitry	Figure A																																
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Input Voltage [V]	Output Voltage [V]																																		
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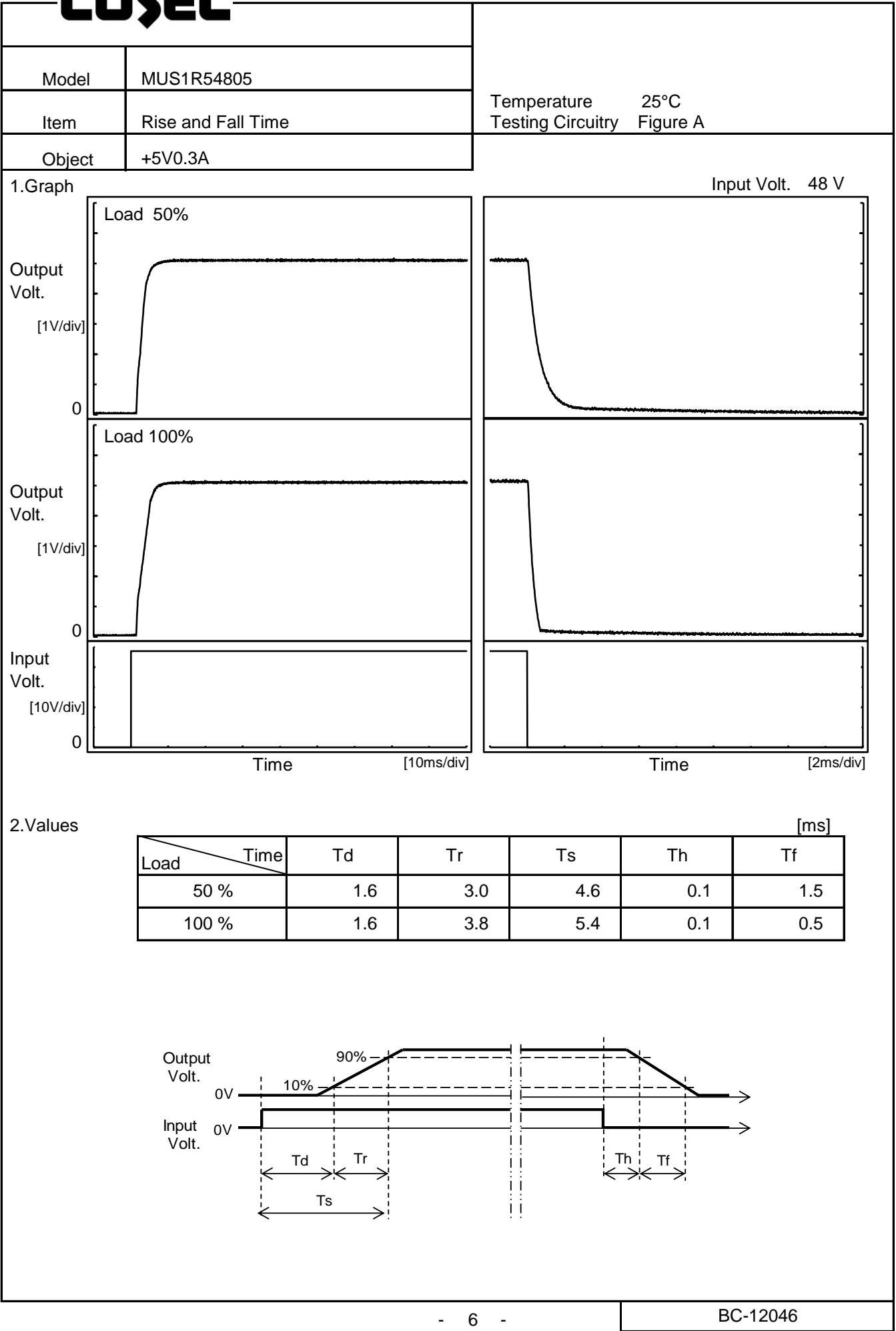
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Model		MUS1R54805	Temperature 25°C Testing Circuitry Figure A
Item		Dynamic Load Response	
Object		+5V0.3A	







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Item	Overcurrent Protection	Temperature	25°C																																																							
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COSEL			
Model	MUS1R54805		
Item	Ambient Temperature Drift	Testing Circuitry    Figure A	
Object	+5V0.3A		
1.Values			
		Load 100%	
Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 36V	Input Volt. 48V	Input Volt. 76V
-40	5.042	5.043	5.044
25	5.077	5.077	5.077
85	5.081	5.081	5.081

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry    Figure A	
Object	+5V0.3A		
1.Values			
Ambient Temperature[°C]	Input Voltage [V]		
	Load 50%	Load 100%	
-40	28.4	28.3	
25	28.6	28.5	
85	28.6	28.7	

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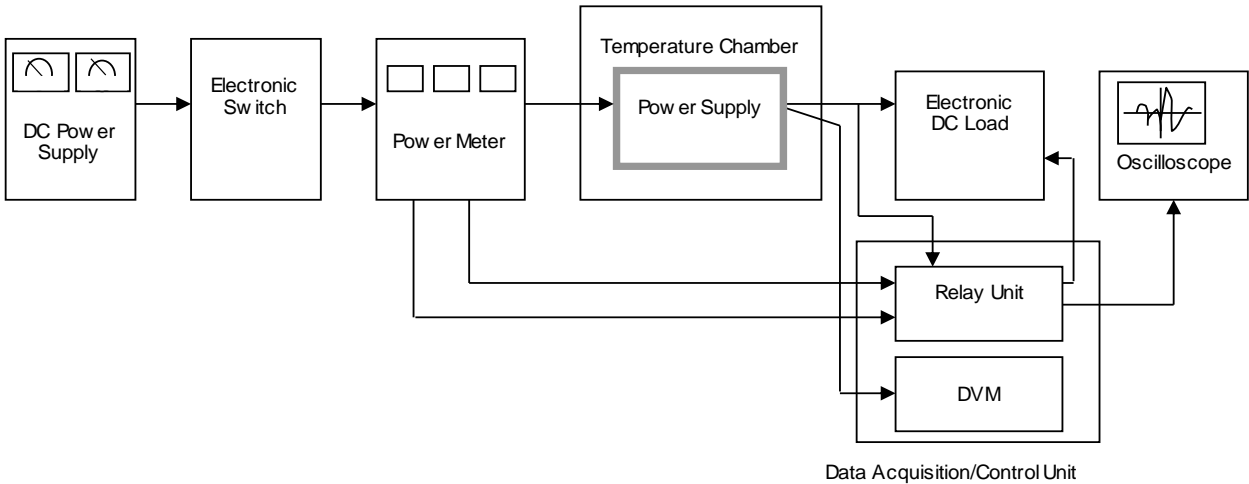


Figure A

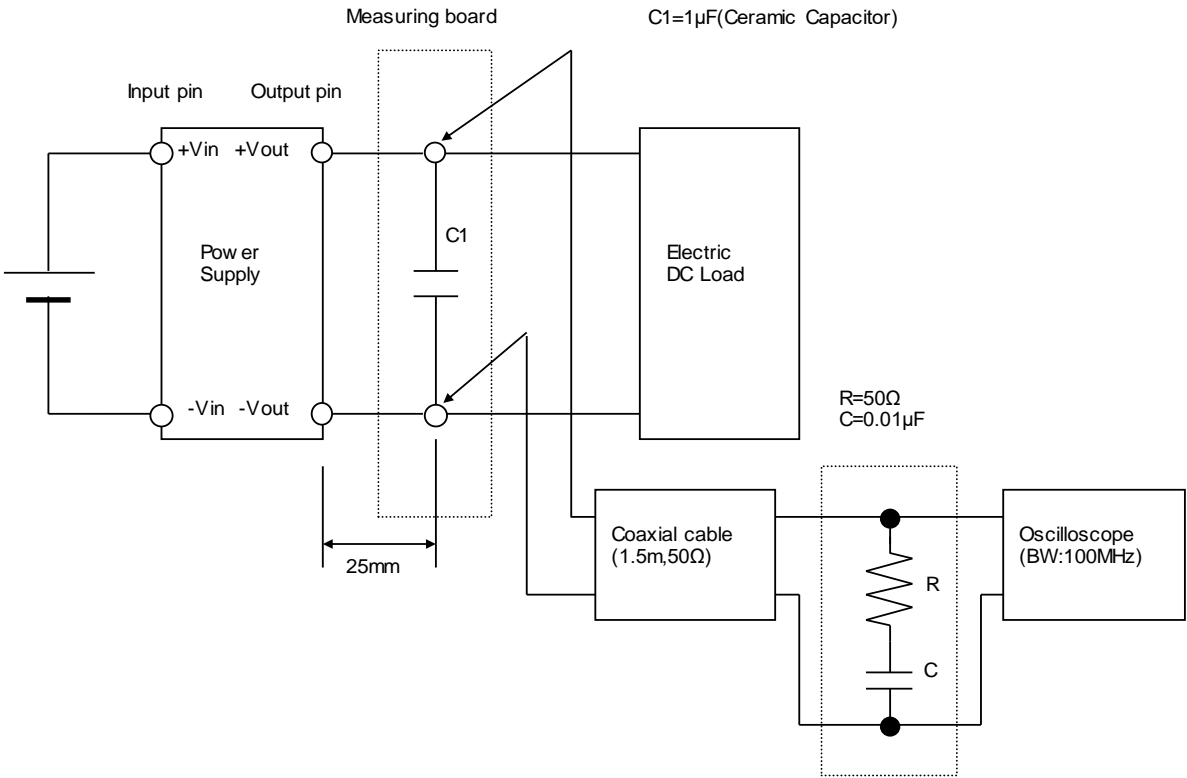


Figure B