

# TEST DATA OF MUS60505

Regulated DC Power Supply  
May.7. 2025

Approved by : Kenichi Tsukada  
Design Manager

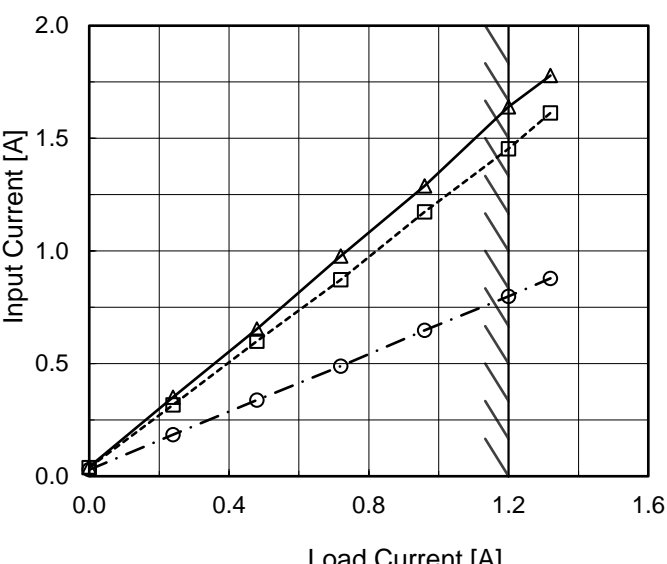
Prepared by : Yoshihiko Saeki  
Design Engineer

**COSEL CO.,LTD.**

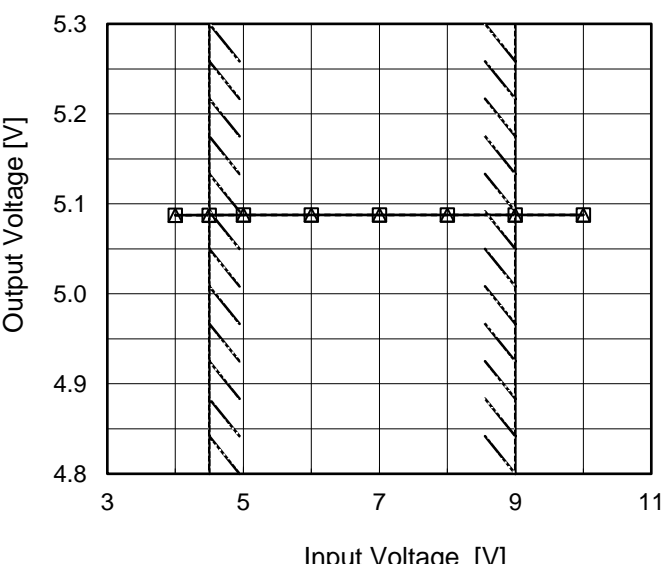
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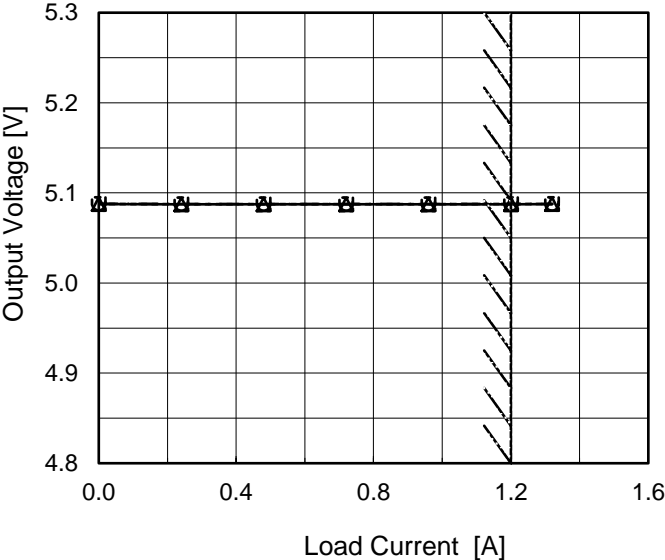
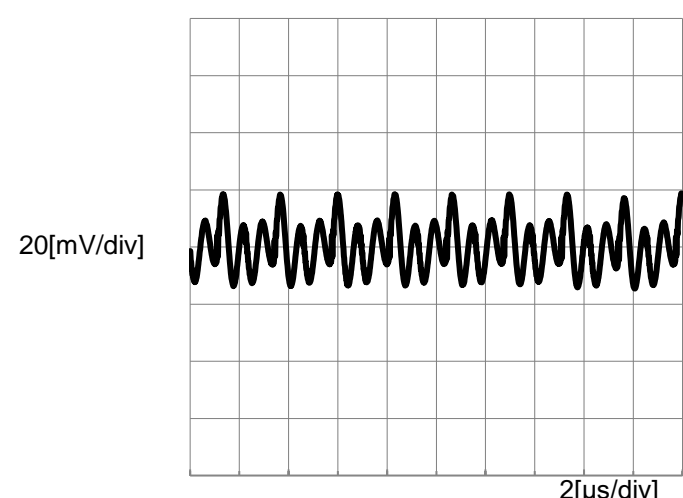
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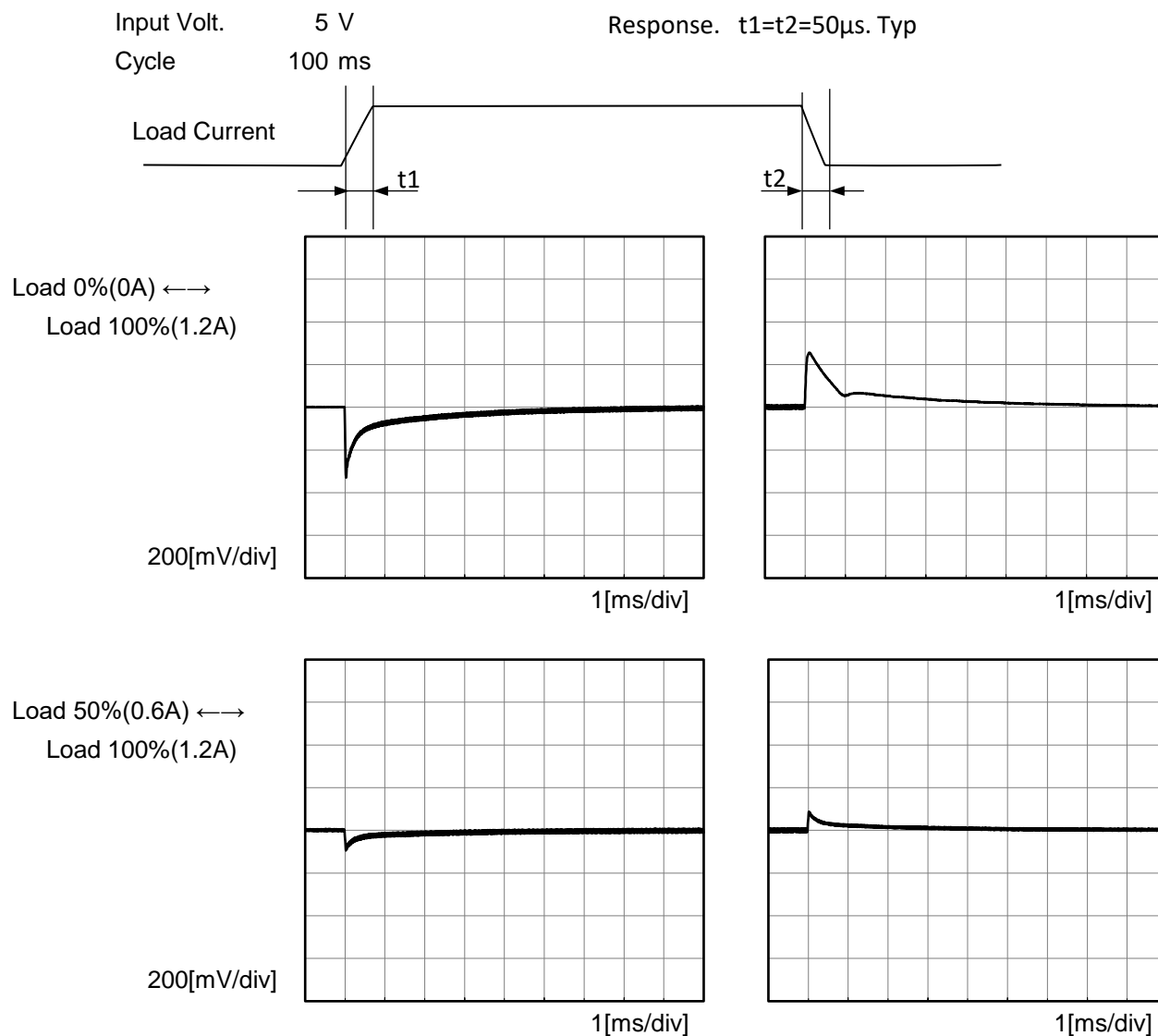
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			<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Current [A]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>0.00</td><td>0.042</td><td>0.039</td><td>0.029</td></tr><tr><td>0.24</td><td>0.351</td><td>0.317</td><td>0.185</td></tr><tr><td>0.48</td><td>0.653</td><td>0.600</td><td>0.338</td></tr><tr><td>0.72</td><td>0.977</td><td>0.873</td><td>0.488</td></tr><tr><td>0.96</td><td>1.288</td><td>1.173</td><td>0.647</td></tr><tr><td>1.20</td><td>1.639</td><td>1.454</td><td>0.798</td></tr><tr><td>1.32</td><td>1.779</td><td>1.613</td><td>0.879</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. 4.5[V]	Input Volt. 5[V]	Input Volt. 9[V]	0.00	0.042	0.039	0.029	0.24	0.351	0.317	0.185	0.48	0.653	0.600	0.338	0.72	0.977	0.873	0.488	0.96	1.288	1.173	0.647	1.20	1.639	1.454	0.798	1.32	1.779	1.613	0.879	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-
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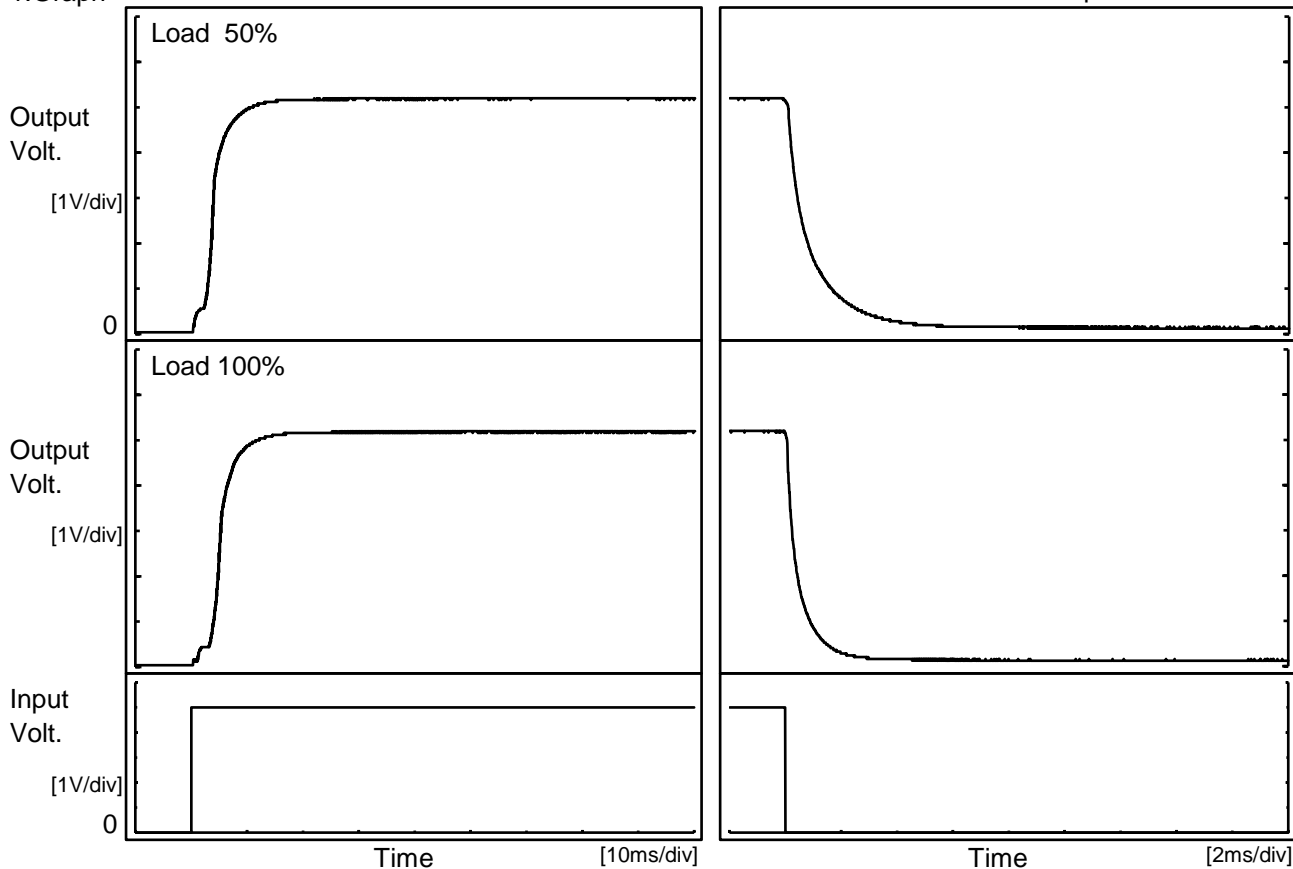
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Item		Ripple-Noise	Temperature 25°C Testing Circuitry Figure B																																																				
Object		+5V1.2A																																																					
1.Graph		<div><div>Input Voltage 5V</div><div>Load 100%</div></div> <div></div> <div>20[mV/div]</div> <div>2[μs/div]</div>																																																					
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Model	MUS60505	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Response	
Object	+5V1.2A	



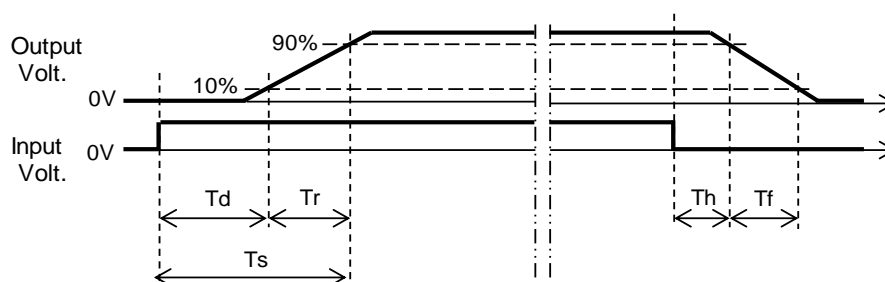
Model	MUS60505	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	+5V1.2A		

### 1.Graph



### 2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		1.6	5.1	6.7	0.2	2.4
100 %		3.4	4.5	7.9	0.1	1.3





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Item	Overcurrent Protection	Temperature	25°C																																																							
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		Testing Circuitry Figure A
Model	MUS60505	
Item	Ambient Temperature Drift	
Object	+5V1.2A	

## 1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 4.5V	Input Volt. 5V	Input Volt. 9V
-40	5.061	5.061	5.061
25	5.088	5.088	5.088
85	5.085	5.085	5.085

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	+5V1.2A	

## 1.Values

Ambient Temperature[°C]	Input Voltage [V]	
	Load 50%	Load 100%
-40	3.1	3.1
25	3.0	3.1
85	3.0	3.0

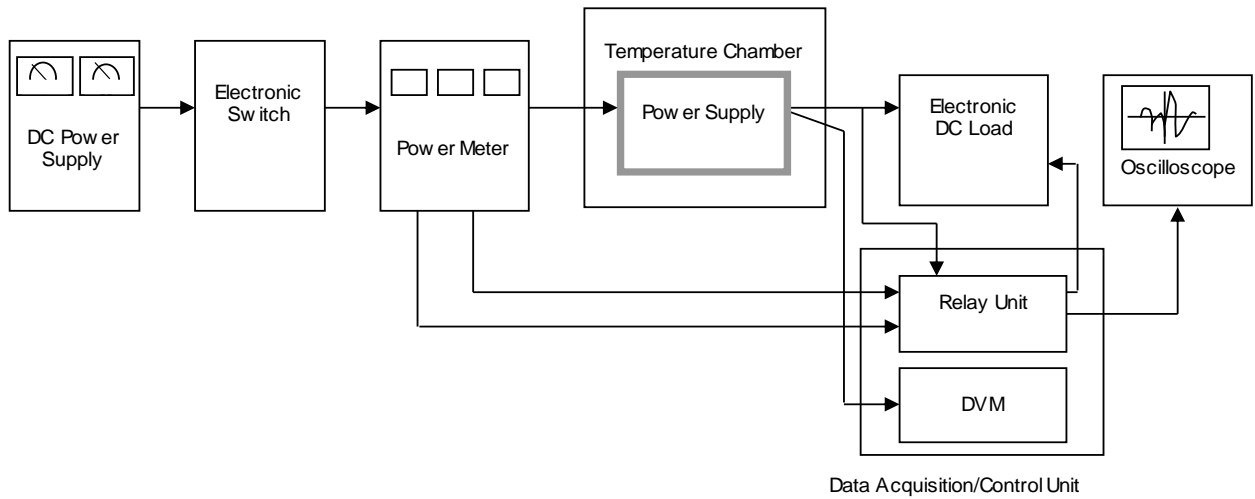


Figure A

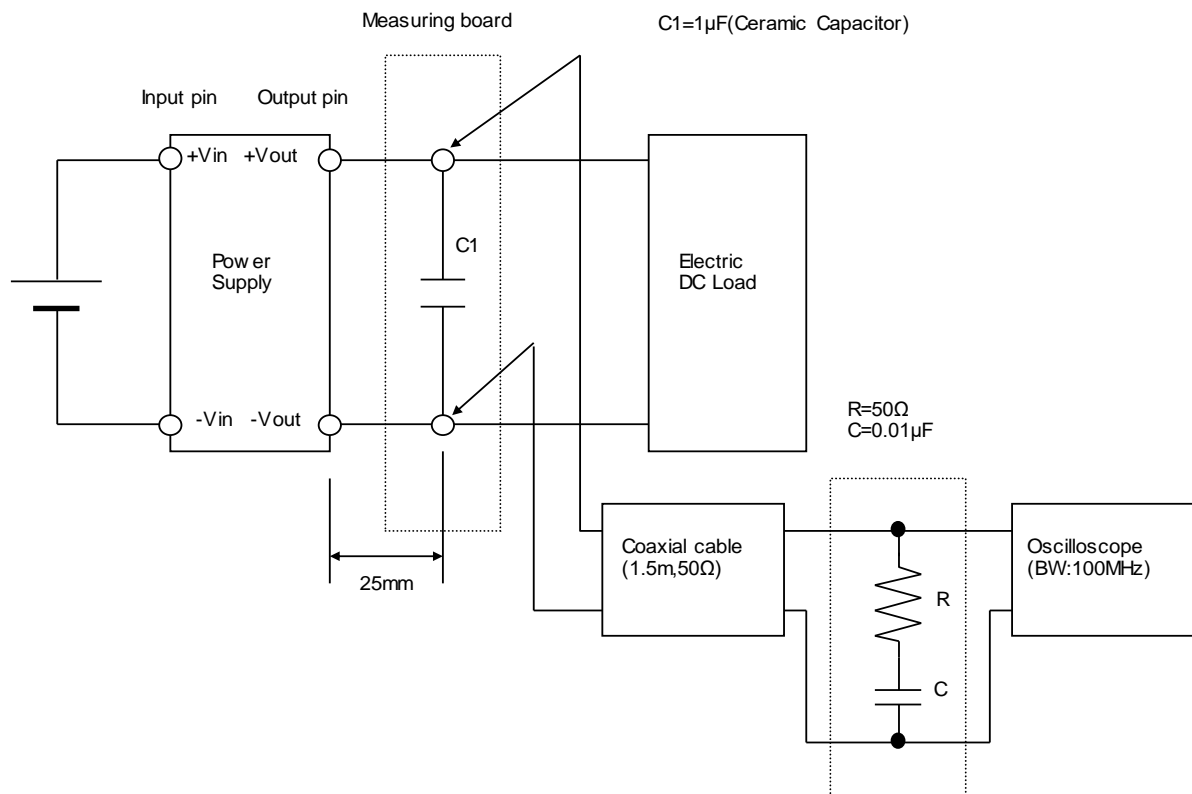


Figure B