



TEST DATA OF MUS152405

Regulated DC Power Supply
July 1, 2026

Approved by : Masahiro Shima
Design Manager

Prepared by : Kosei Oba
Design Engineer

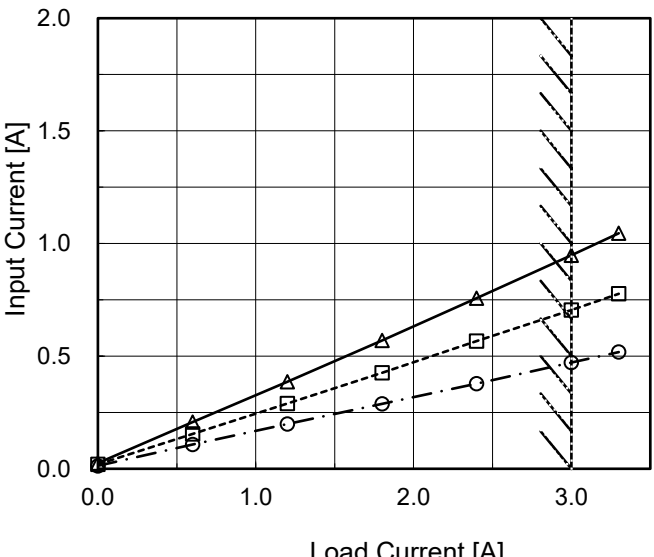
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Model		MUS152405		Temperature 25°C																																																				
Item		Input Current (by Load Current)		Testing Circuitry Figure A																																																				
Object		_____																																																						
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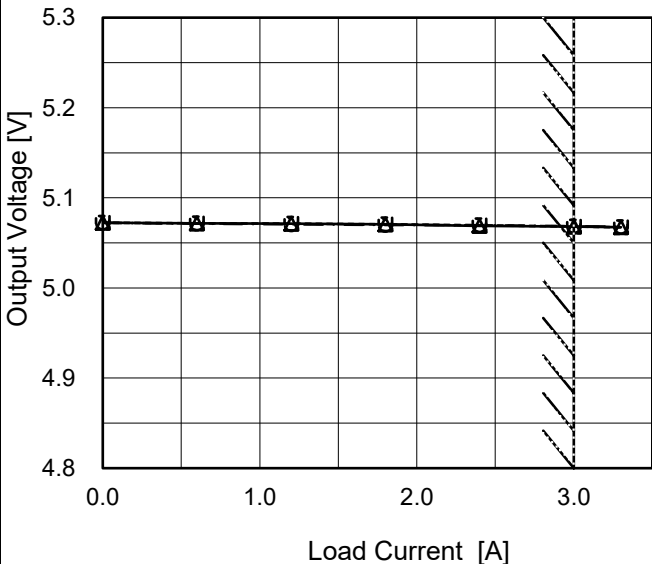
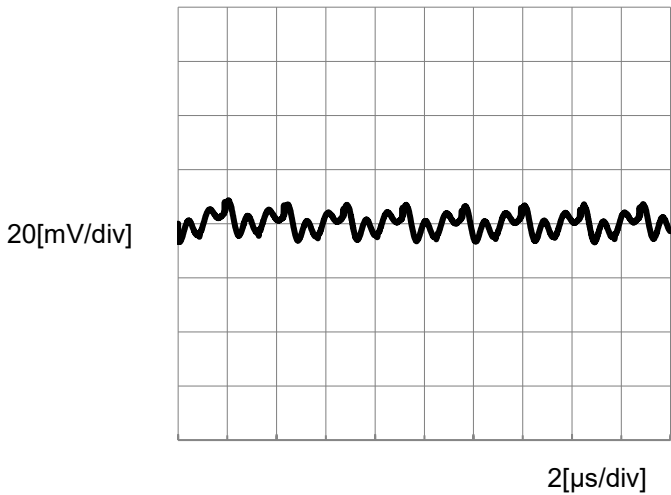
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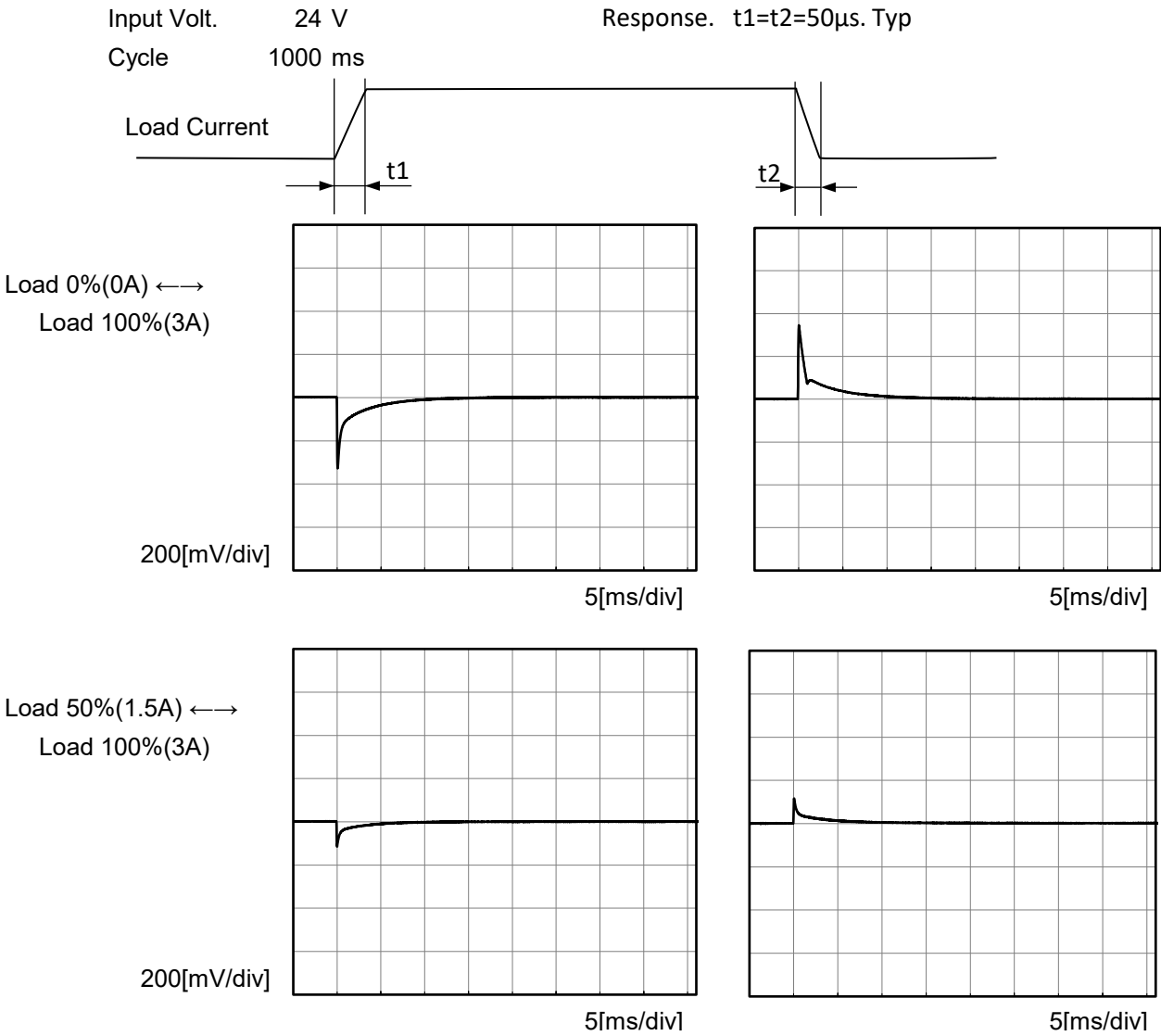
Model		MUS152405	Temperature		25°C																																
Item		Line Regulation	Testing Circuitry		Figure A																																
Object		+5V3A																																			
1.Graph			2.Values																																		
Load 50% Load 100% 5.3 5.2 5.1 5.0 4.9 4.8 10 20 30 40 Output Voltage [V] Input Voltage [V] Note: Slanted line shows the range of the rated input voltage.			<table><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Output Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>16</td><td>5.071</td><td>5.068</td></tr><tr><td>18</td><td>5.071</td><td>5.068</td></tr><tr><td>20</td><td>5.071</td><td>5.068</td></tr><tr><td>24</td><td>5.071</td><td>5.068</td></tr><tr><td>30</td><td>5.071</td><td>5.069</td></tr><tr><td>36</td><td>5.070</td><td>5.068</td></tr><tr><td>40</td><td>5.070</td><td>5.069</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>			Input Voltage [V]	Output Voltage [V]		Load 50%	Load 100%	16	5.071	5.068	18	5.071	5.068	20	5.071	5.068	24	5.071	5.068	30	5.071	5.069	36	5.070	5.068	40	5.070	5.069	--	-	-	--	-	-
Input Voltage [V]	Output Voltage [V]																																				
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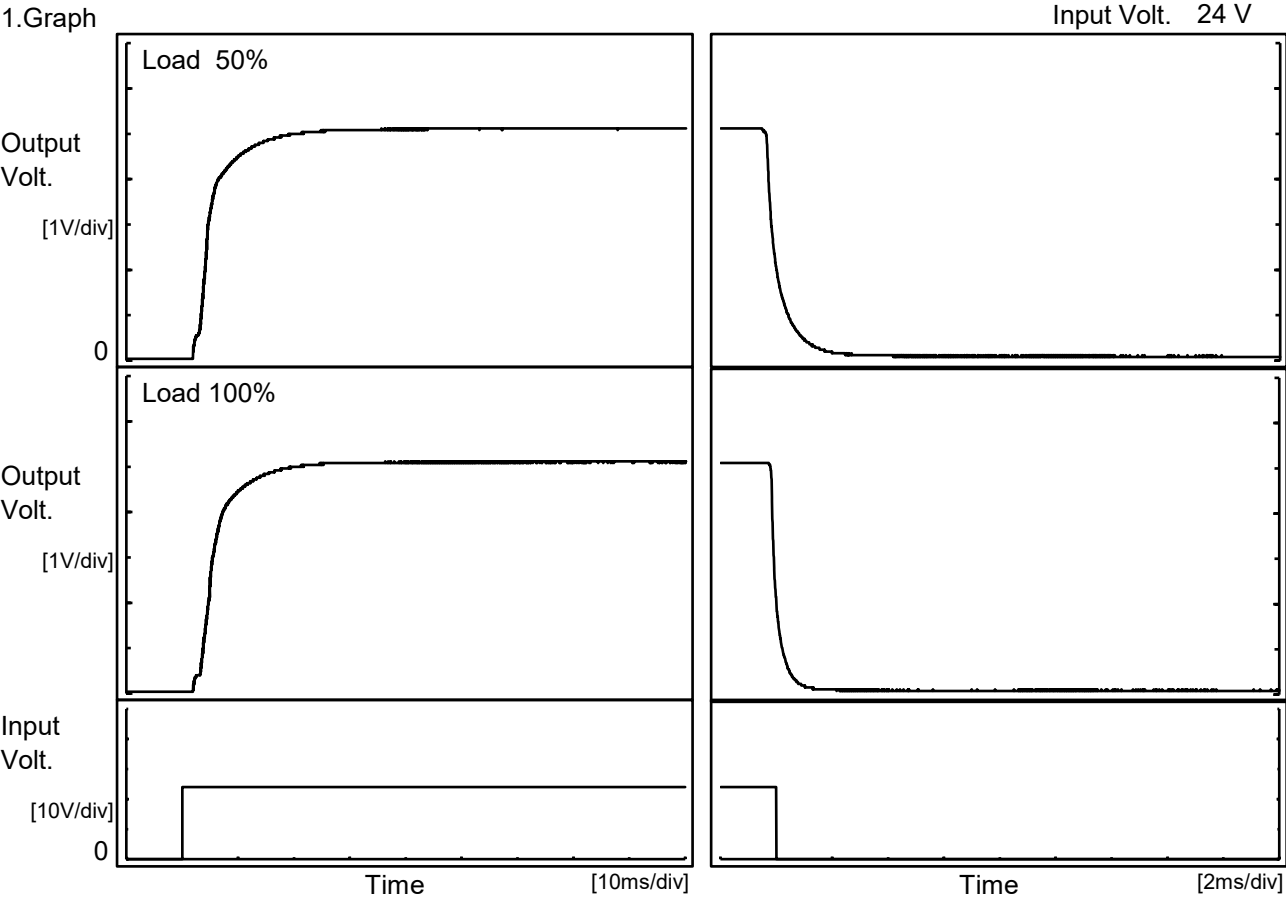
Model		MUS152405	Temperature 25°C Testing Circuitry Figure A
Item		Dynamic Load Response	
Object		+5V3A	





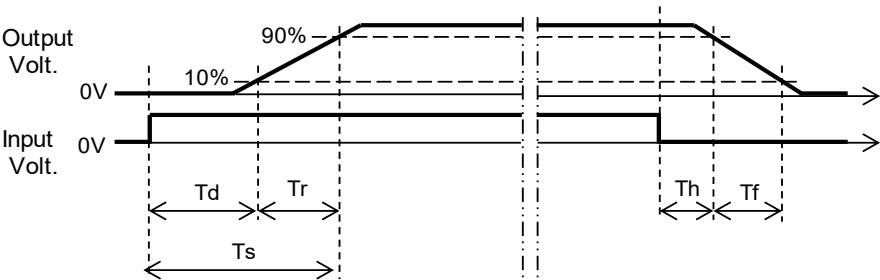
Model		MUS152405	Temperature 25°C Testing Circuitry Figure A
Item		Rise and Fall Time	
Object		+5V3A	

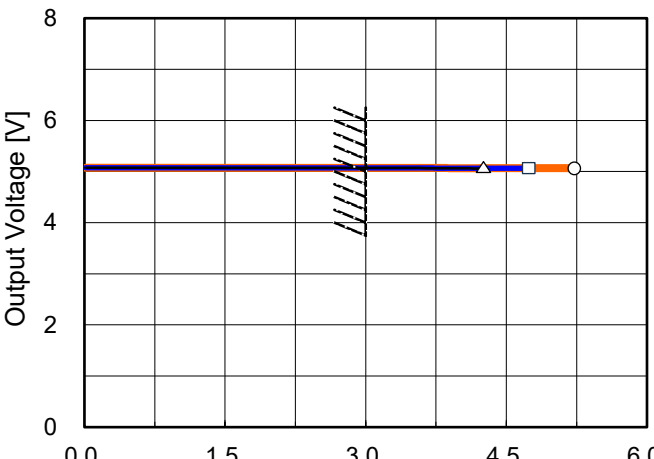
1.Graph



2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		2.5	7.9	10.4	0.3	1.2
100 %		3.3	7.5	10.8	0.2	0.6



Model		MUS152405	Temperature 25°C Testing Circuitry Figure A																																																								
Item		Overcurrent Protection																																																									
Object		+5V3A																																																									
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		Testing Circuitry Figure A	
Model	MUS152405		
Item	Ambient Temperature Drift		
Object	+5V3A		
1.Values Load 100%			
Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 18V	Input Volt. 24V	Input Volt. 36V
-40	5.063	5.063	5.064
25	5.068	5.068	5.068
75	5.058	5.058	5.059
Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A	
Object	+5V3A		
1.Values			
Ambient Temperature[°C]	Input Voltage [V]		
	Load 50%	Load 100%	
-40	13.7	13.7	
25	13.8	13.8	
75	13.8	13.8	

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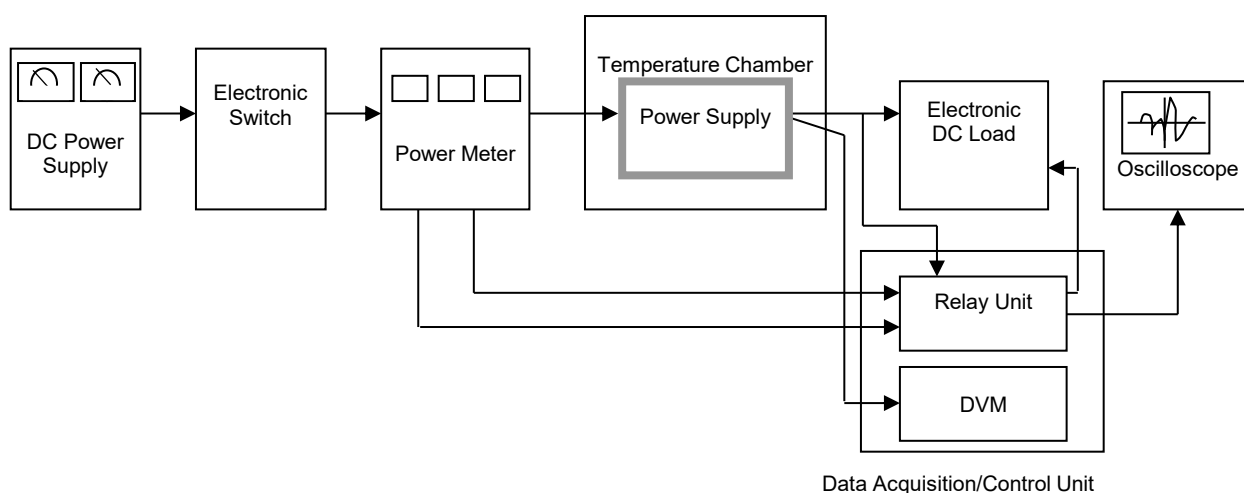


Figure A

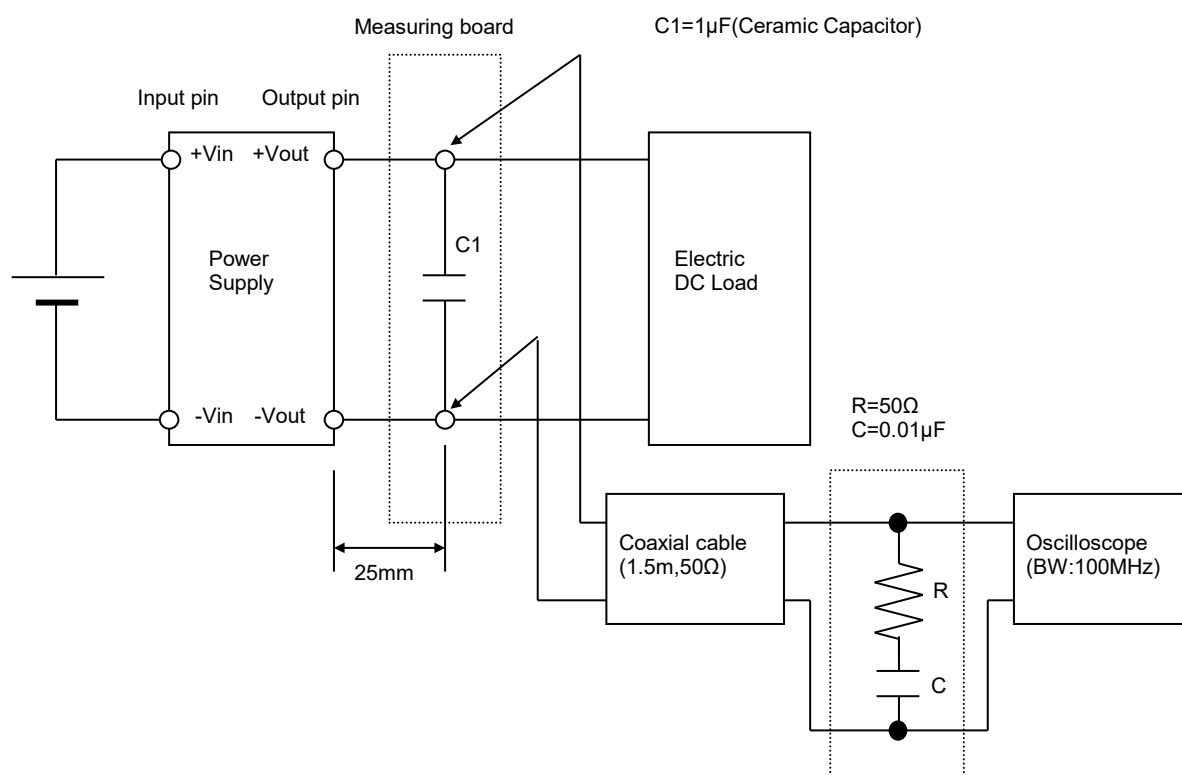


Figure B