

# TEST DATA OF MUS3243R3

Regulated DC Power Supply  
February 3, 2025

Approved by : Kenichi Tsukada  
Design Manager

Prepared by : Soichiro Kawaguchi  
Design Engineer

**COSEL CO.,LTD.**

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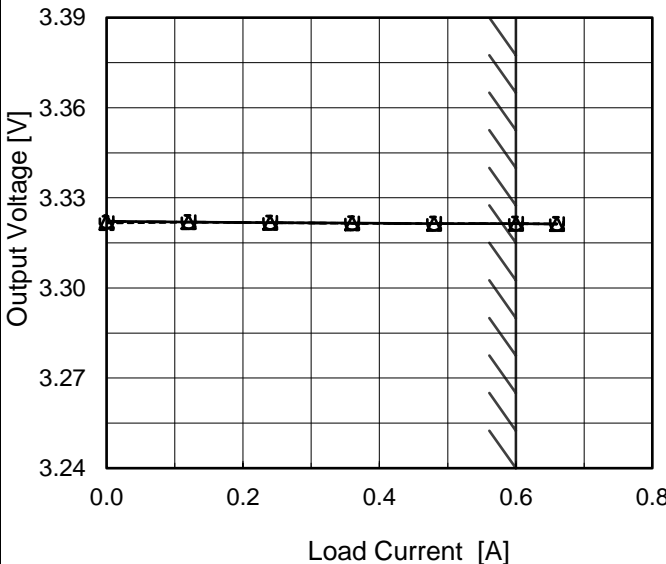
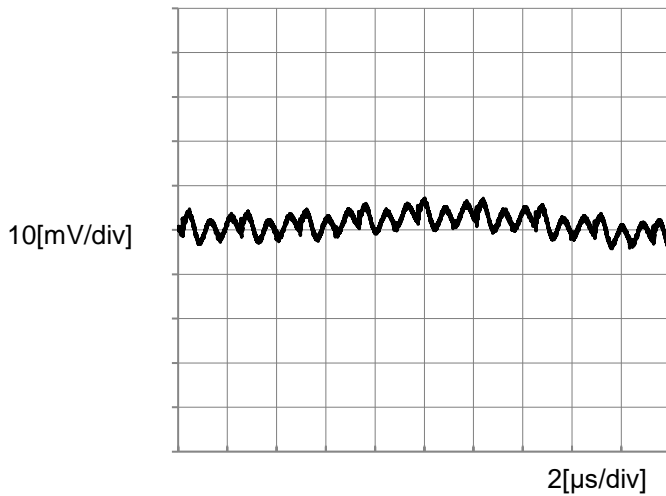
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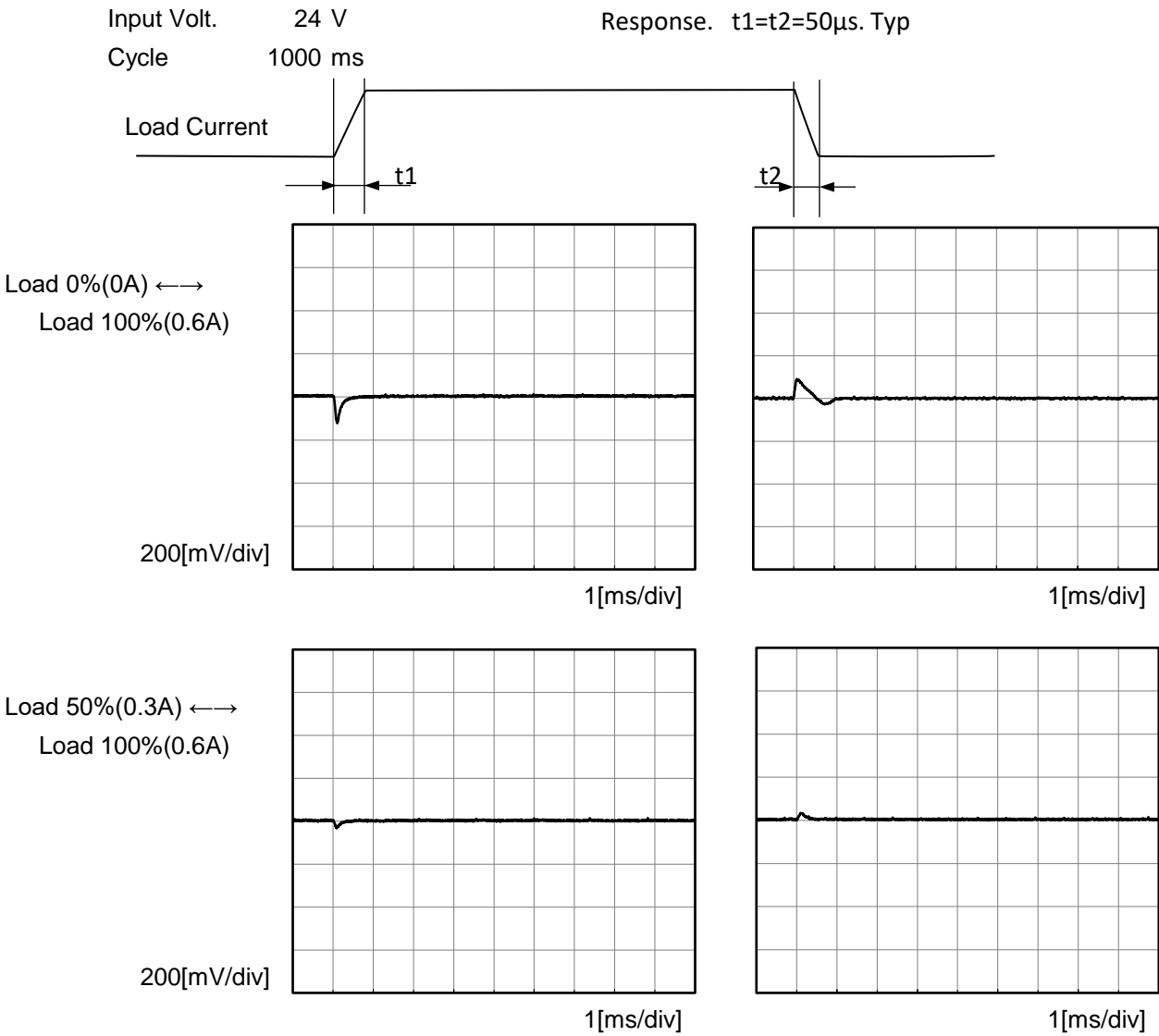
		Temperature25°C Testing CircuitryFigure A
Model	MUS3243R3	
Item	Line Regulation	
Object	+3.3V0.6A	2.Values
1.Graph		
<div><div><div>---</div><div>□---</div><div>Load 50%</div></div><div><div>---</div><div>△---</div><div>Load 100%</div></div></div> <div>Note: Slanted line shows the range of the rated input voltage.</div>		

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<div><div><div>—△—</div><div>Input Volt.</div><div>18V</div></div><div><div>---□---</div><div>Input Volt.</div><div>24V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>36V</div></div></div>  <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">Output Voltage [V]</th></tr><tr><th>Input Volt. 18[V]</th><th>Input Volt. 24[V]</th><th>Input Volt. 36[V]</th></tr><tr><td>0.00</td><td>3.322</td><td>3.322</td><td>3.322</td></tr><tr><td>0.12</td><td>3.322</td><td>3.322</td><td>3.322</td></tr><tr><td>0.24</td><td>3.322</td><td>3.322</td><td>3.322</td></tr><tr><td>0.36</td><td>3.322</td><td>3.322</td><td>3.322</td></tr><tr><td>0.48</td><td>3.321</td><td>3.321</td><td>3.321</td></tr><tr><td>0.60</td><td>3.321</td><td>3.321</td><td>3.321</td></tr><tr><td>0.66</td><td>3.321</td><td>3.321</td><td>3.321</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]	Output Voltage [V]			Input Volt. 18[V]	Input Volt. 24[V]	Input Volt. 36[V]	0.00	3.322	3.322	3.322	0.12	3.322	3.322	3.322	0.24	3.322	3.322	3.322	0.36	3.322	3.322	3.322	0.48	3.321	3.321	3.321	0.60	3.321	3.321	3.321	0.66	3.321	3.321	3.321	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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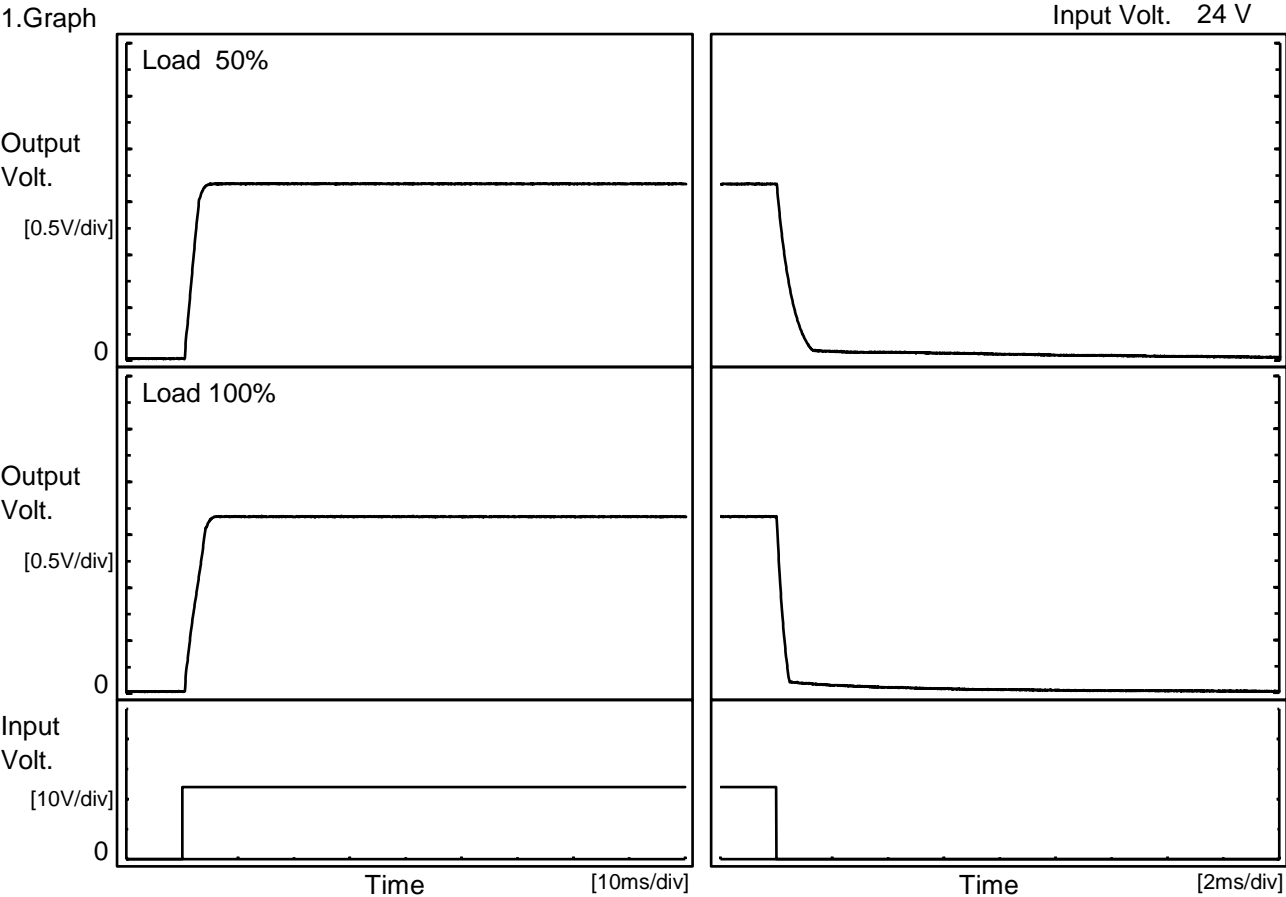
Model		MUS3243R3	Temperature 25°C Testing Circuitry Figure A
Item		Dynamic Load Response	
Object		+3.3V0.6A	





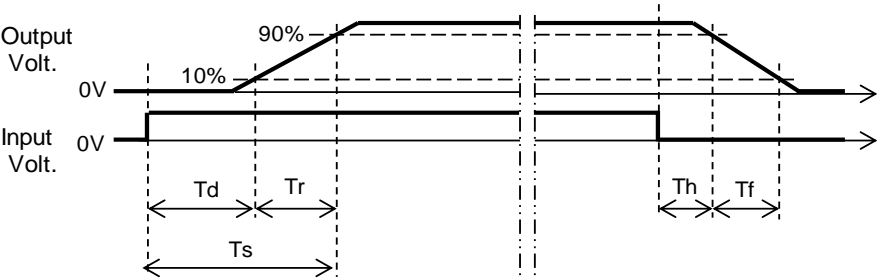
Model		MUS3243R3	Temperature 25°C Testing Circuitry Figure A
Item		Rise and Fall Time	
Object		+3.3V0.6A	

1.Graph



2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		0.7	2.4	3.1	0.1	1.0
100 %		0.7	3.4	4.1	0.0	0.4





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Item	Overcurrent Protection	Temperature	25°C																																																							
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		Testing Circuitry Figure A
Model	MUS3243R3	
Item	Ambient Temperature Drift	
Object	+3.3V0.6A	

## 1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 18V	Input Volt. 24V	Input Volt. 36V
-40	3.300	3.301	3.301
25	3.318	3.318	3.318
85	3.324	3.323	3.323

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	+3.3V0.6A	

## 1.Values

Ambient Temperature[°C]	Input Voltage [V]	
	Load 50%	Load 100%
-40	13.8	13.8
25	13.8	13.8
85	13.8	13.8

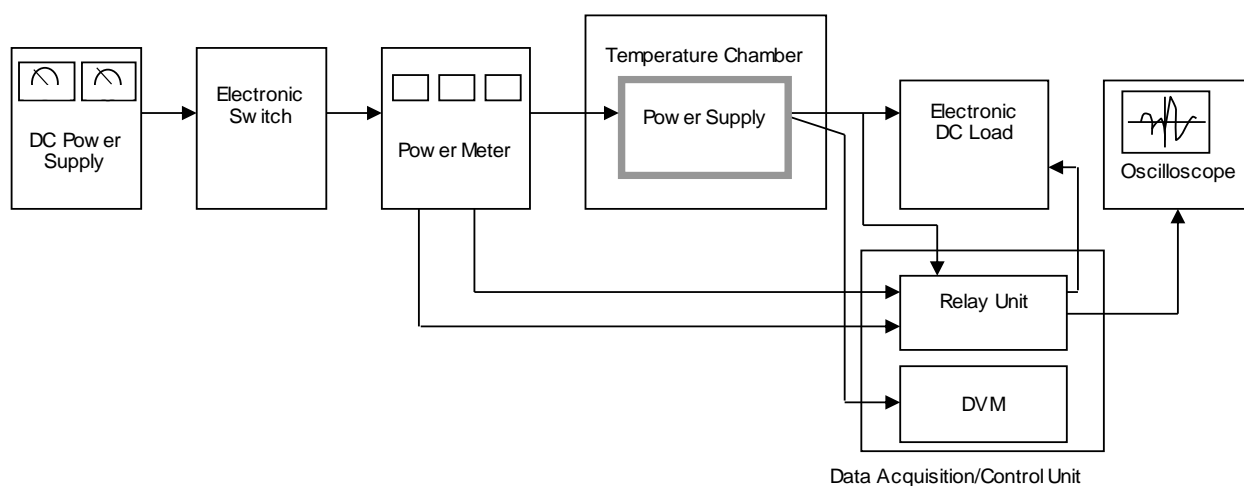


Figure A

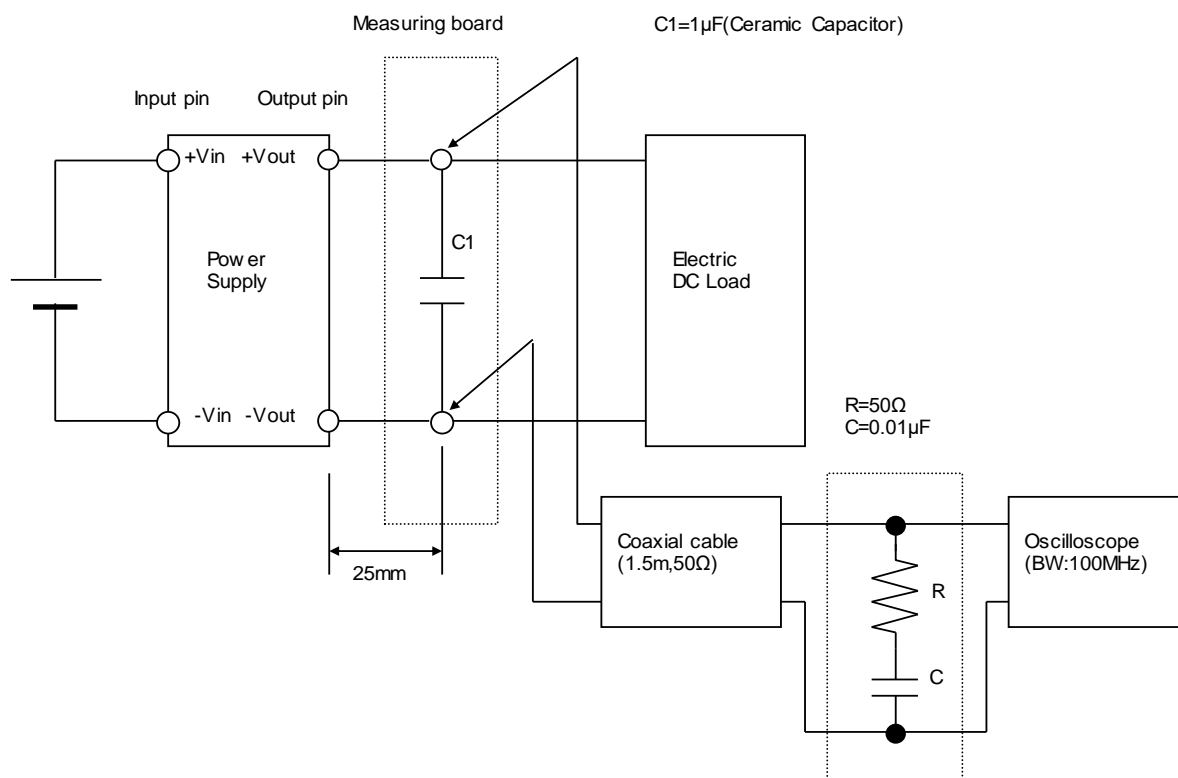


Figure B