

# TEST DATA OF MUS10053R3

Regulated DC Power Supply  
July 3, 2025

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Design Manager

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Design Engineer

**COSEL CO.,LTD.**

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Model	MUS10053R3																																																					
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<div><div><div>---□---Load 50%</div><div>—△—Load 100%</div></div><div><div>Output Voltage [V]</div><div><div>3.39</div><div>3.36</div><div>3.33</div><div>3.30</div><div>3.27</div><div>3.24</div></div><div><div>3</div><div>5</div><div>7</div><div>9</div><div>11</div></div><div>Input Voltage [V]</div></div></div>		<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>4.0</td><td>3.332</td><td>3.331</td></tr><tr><td>4.5</td><td>3.332</td><td>3.331</td></tr><tr><td>5.0</td><td>3.332</td><td>3.331</td></tr><tr><td>6.0</td><td>3.332</td><td>3.331</td></tr><tr><td>7.0</td><td>3.332</td><td>3.332</td></tr><tr><td>8.0</td><td>3.332</td><td>3.332</td></tr><tr><td>9.0</td><td>3.332</td><td>3.332</td></tr><tr><td>10.0</td><td>3.332</td><td>3.332</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Input Voltage [V]	Output Voltage [V]		Load 50%	Load 100%	4.0	3.332	3.331	4.5	3.332	3.331	5.0	3.332	3.331	6.0	3.332	3.331	7.0	3.332	3.332	8.0	3.332	3.332	9.0	3.332	3.332	10.0	3.332	3.332	--	-	-
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Note: Slanted line shows the range of the rated input voltage.																																			

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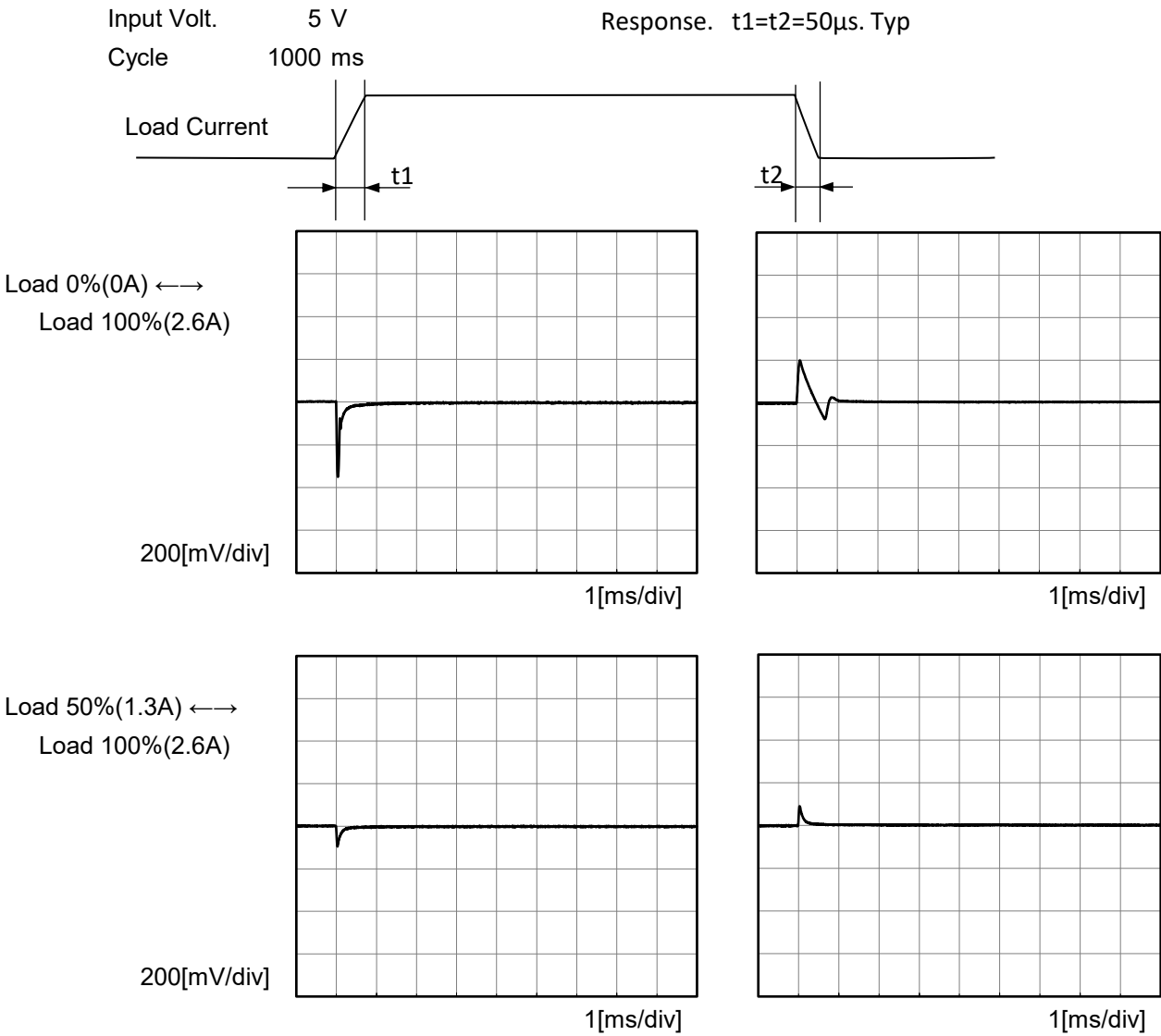
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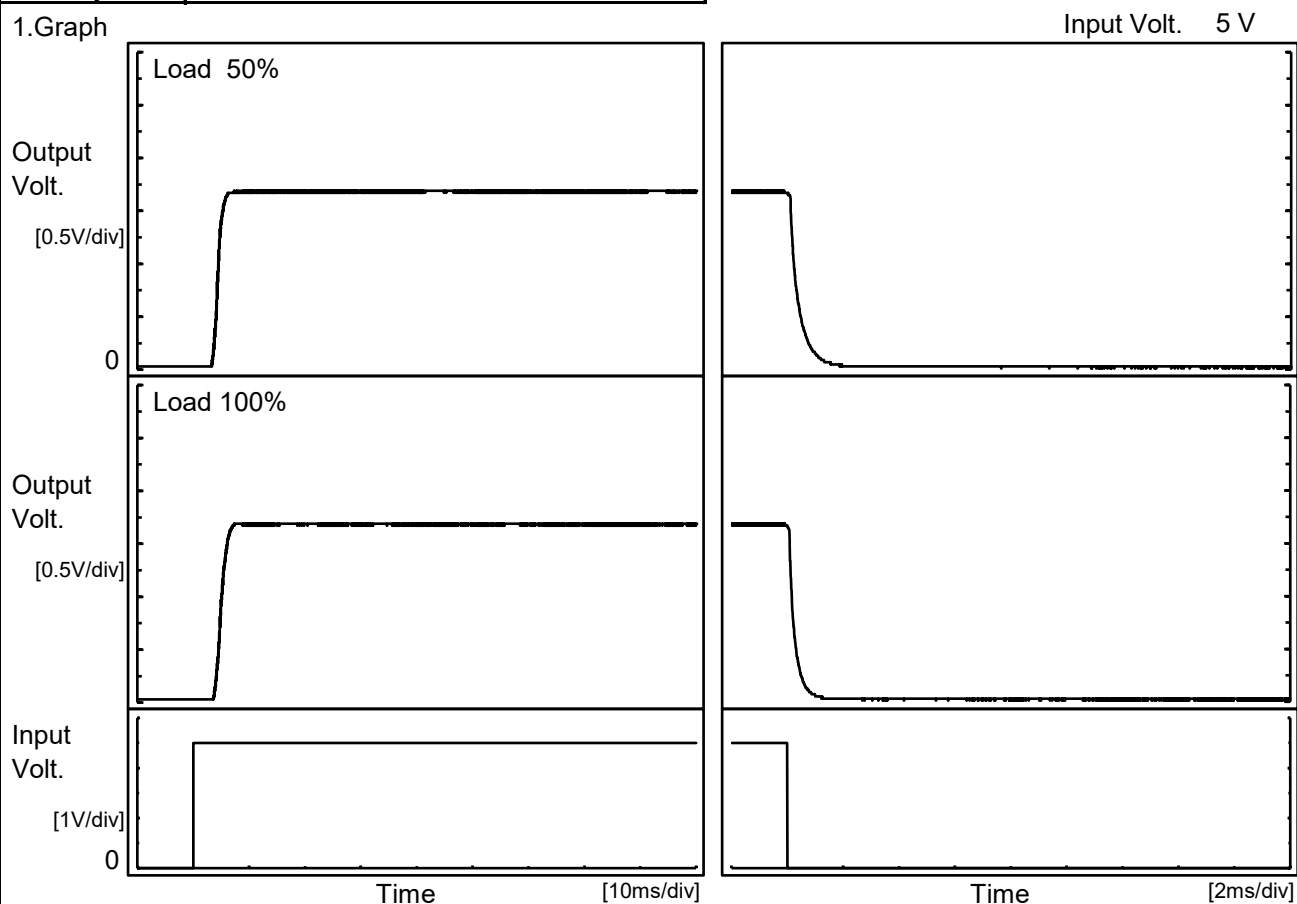
Model		MUS10053R3	Temperature     25°C Testing Circuitry   Figure A
Item		Dynamic Load Response	
Object		+3.3V2.6A	



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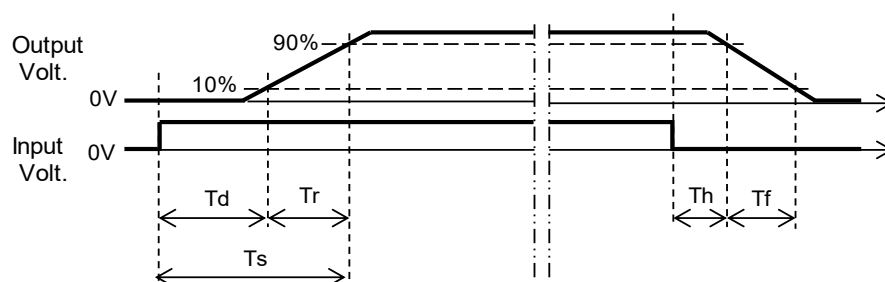
Model	MUS10053R3	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	+3.3V2.6A		

## 1.Graph



## 2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		3.6	1.7	5.3	0.1	0.8
100 %		4.0	2.1	6.1	0.1	0.5





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Item	Overcurrent Protection	Temperature	25°C																																																							
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		Testing Circuitry Figure A
Model	MUS10053R3	
Item	Ambient Temperature Drift	
Object	+3.3V2.6A	

## 1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 4.5V	Input Volt. 5V	Input Volt. 9V
-40	3.322	3.322	3.322
25	3.331	3.331	3.332
85	3.322	3.322	3.322

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	+3.3V2.6A	

## 1.Values

Ambient Temperature[°C]	Input Voltage [V]	
	Load 50%	Load 100%
-40	3.0	3.1
25	3.0	3.1
85	3.1	3.2

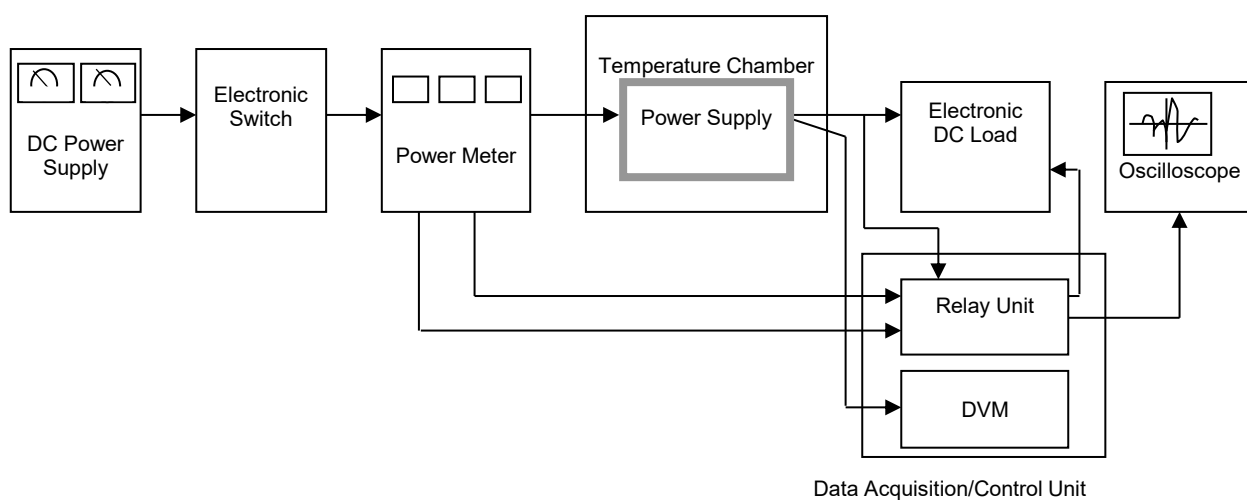


Figure A

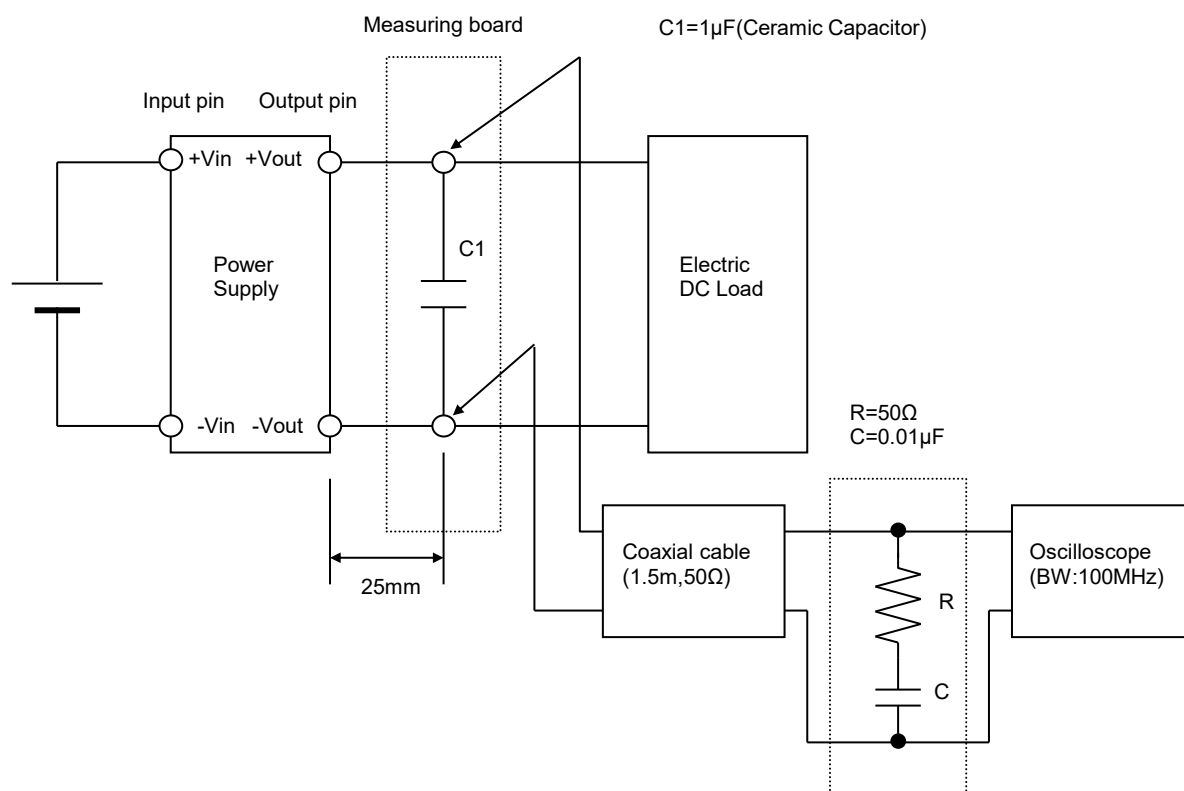


Figure B