

TEST DATA OF MUS3483R3

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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Item	Input Current (by Load Current)	Testing Circuitry	Figure A																																																			
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1.Graph	<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> <div><p>Input Current [A]</p><p>Load Current [A]</p></div> <div>Note: Slanted line shows the range of the rated load current.</div>	2.Values	<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>0.12</td><td>0.015</td><td>0.013</td><td>0.009</td></tr><tr><td>0.24</td><td>0.030</td><td>0.022</td><td>0.015</td></tr><tr><td>0.36</td><td>0.042</td><td>0.033</td><td>0.022</td></tr><tr><td>0.48</td><td>0.056</td><td>0.042</td><td>0.028</td></tr><tr><td>0.60</td><td>0.070</td><td>0.053</td><td>0.034</td></tr><tr><td>0.66</td><td>0.077</td><td>0.058</td><td>0.037</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	0.12	0.015	0.013	0.009	0.24	0.030	0.022	0.015	0.36	0.042	0.033	0.022	0.48	0.056	0.042	0.028	0.60	0.070	0.053	0.034	0.66	0.077	0.058	0.037	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-
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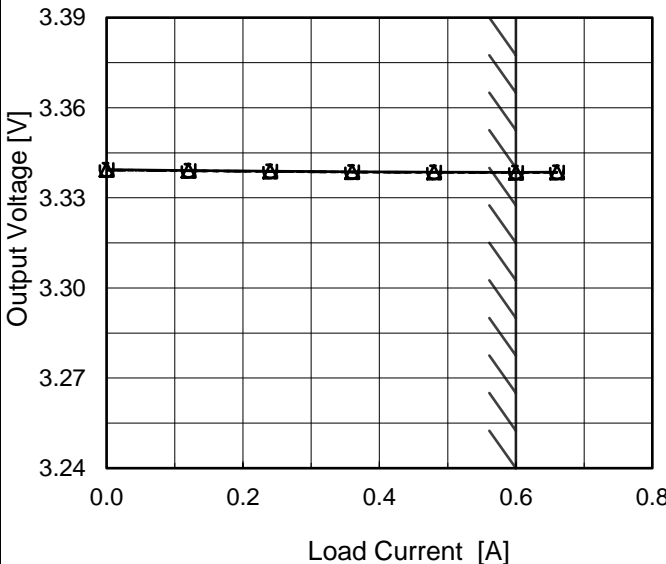
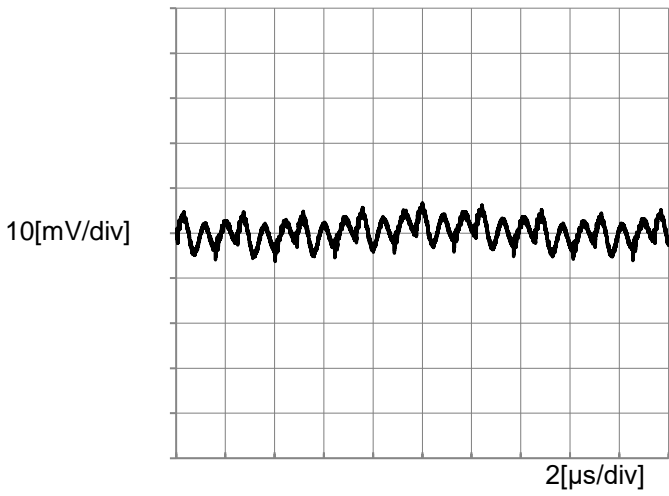


Model		MUS3483R3	Temperature 25°C Testing Circuitry Figure A																																
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Object		+3.3V0.6A																																	
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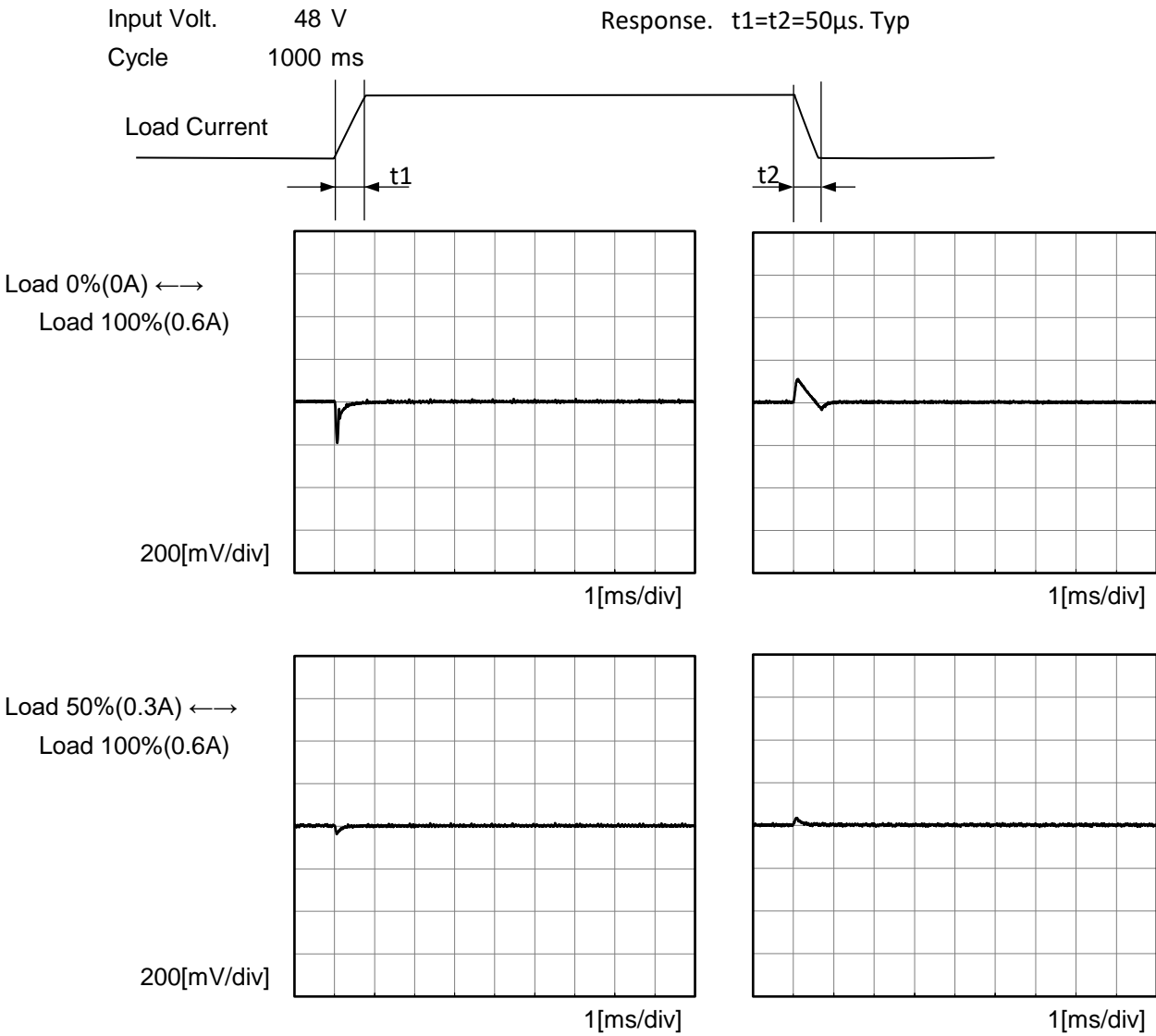
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Model		MUS3483R3	Temperature 25°C Testing Circuitry Figure A
Item		Dynamic Load Response	
Object		+3.3V0.6A	

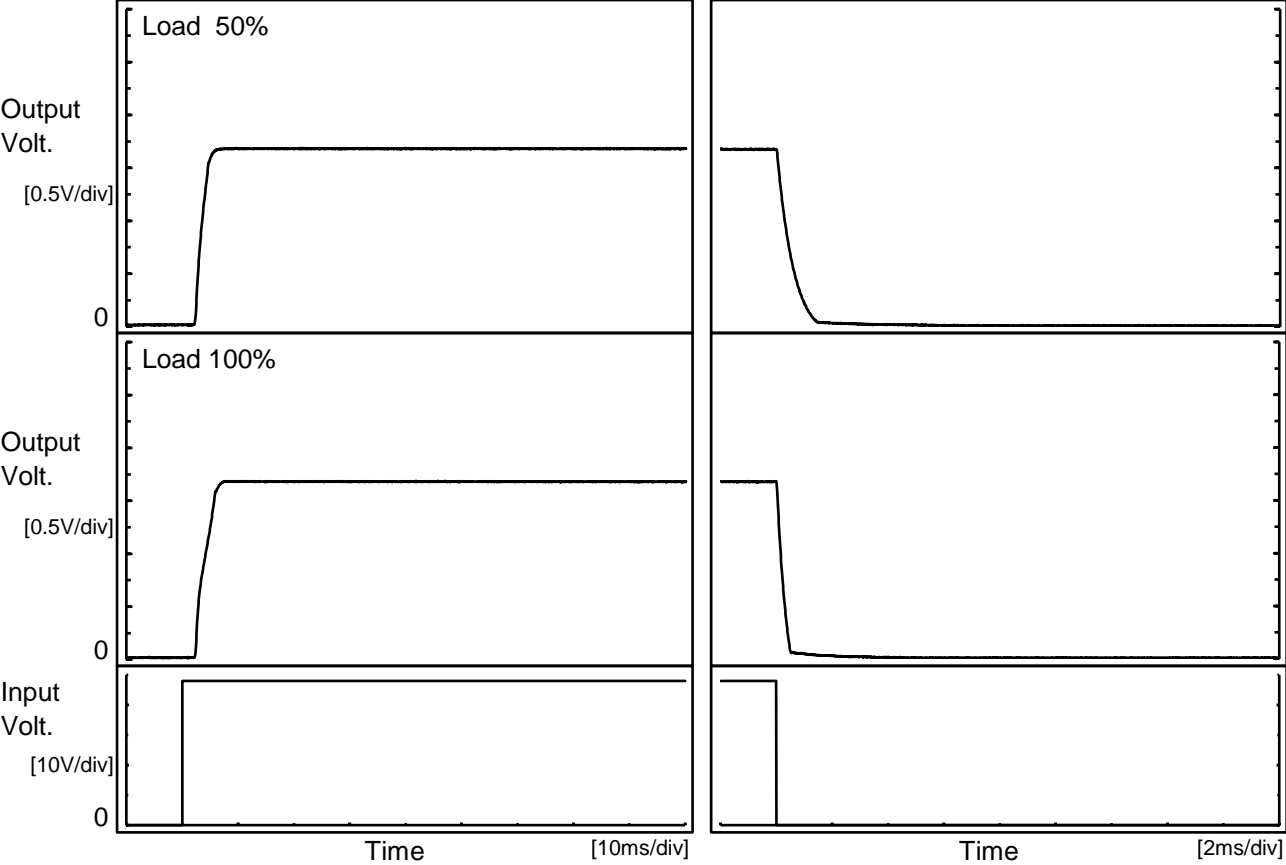




Model		MUS3483R3	Temperature 25°C Testing Circuitry Figure A
Item		Rise and Fall Time	
Object		+3.3V0.6A	

1.Graph

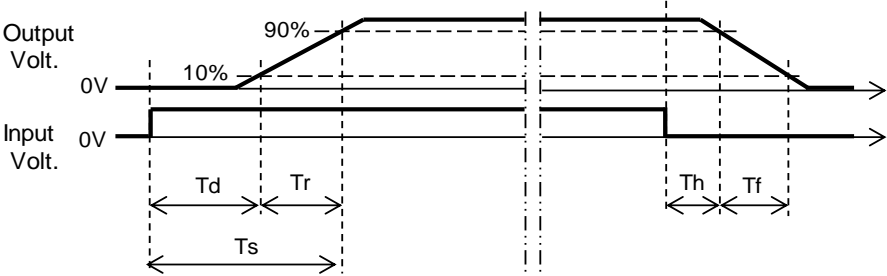
Input Volt. 48 V



2.Values

[ms]

Load \ Time	Td	Tr	Ts	Th	Tf
50 %	2.5	2.1	4.6	0.1	1.0
100 %	2.5	3.2	5.7	0.0	0.4



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Item	Overcurrent Protection	Temperature	25°C																																																							
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		Testing Circuitry Figure A	
Model	MUS3483R3		
Item	Ambient Temperature Drift		
Object	+3.3V0.6A		
1.Values Load 100%			
Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 36V	Input Volt. 48V	Input Volt. 76V
-40	3.317	3.318	3.319
25	3.341	3.341	3.341
85	3.343	3.342	3.342
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	28.2	28.2	
25	28.2	28.2	
85	28.2	28.4	

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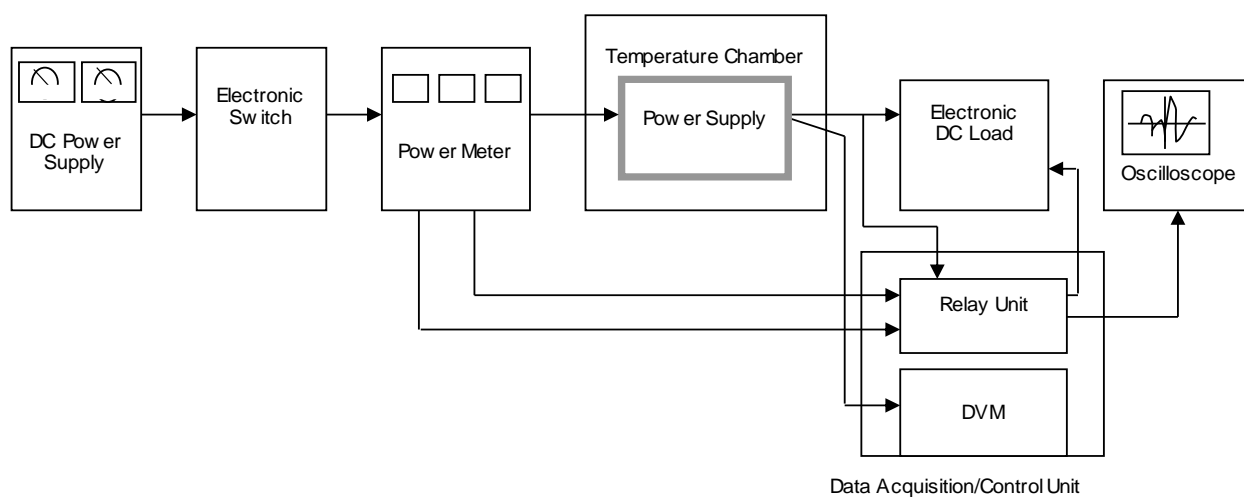


Figure A

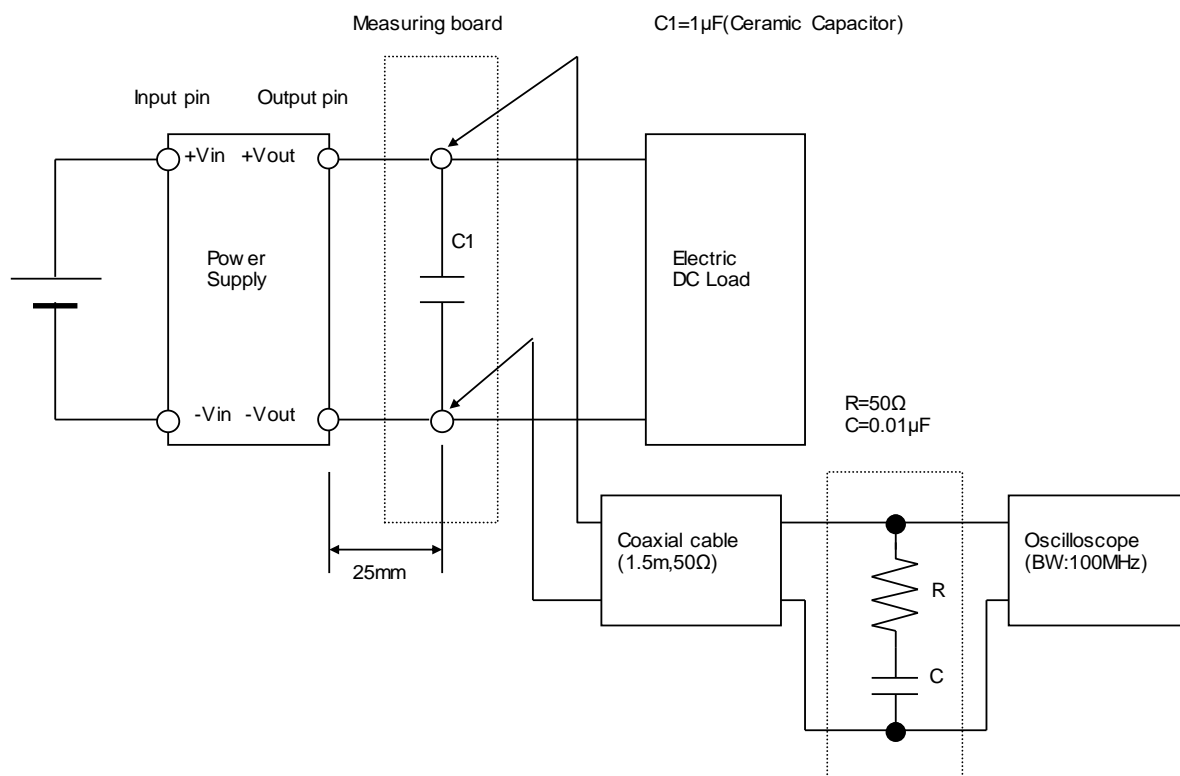


Figure B