



TEST DATA OF MUS304805

Regulated DC Power Supply
July 27, 2026

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Design Manager

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Design Engineer

COSEL CO.,LTD.

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Model		MUS304805	Temperature 25°C																																																				
Item		Input Current (by Load Current)	Testing Circuitry Figure A																																																				
Object																																																							
1.Graph		—△— ---□--- ---○--- Input Volt. 36V Input Volt. 48V Input Volt. 76V <table><thead><tr><th>Load Current [A]</th><th>Input Current [A] (36V)</th><th>Input Current [A] (48V)</th><th>Input Current [A] (76V)</th></tr></thead><tbody><tr><td>0.0</td><td>0.023</td><td>0.021</td><td>0.020</td></tr><tr><td>1.2</td><td>0.194</td><td>0.150</td><td>0.102</td></tr><tr><td>2.4</td><td>0.370</td><td>0.281</td><td>0.185</td></tr><tr><td>3.6</td><td>0.549</td><td>0.415</td><td>0.270</td></tr><tr><td>4.8</td><td>0.729</td><td>0.550</td><td>0.356</td></tr><tr><td>6.0</td><td>0.914</td><td>0.686</td><td>0.443</td></tr><tr><td>6.6</td><td>1.007</td><td>0.756</td><td>0.486</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></tbody></table> Note: Slanted line shows the range of the rated load current.	Load Current [A]	Input Current [A] (36V)	Input Current [A] (48V)	Input Current [A] (76V)	0.0	0.023	0.021	0.020	1.2	0.194	0.150	0.102	2.4	0.370	0.281	0.185	3.6	0.549	0.415	0.270	4.8	0.729	0.550	0.356	6.0	0.914	0.686	0.443	6.6	1.007	0.756	0.486	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-	2.Values				
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Model		MUS304805	Temperature		25°C																																																			
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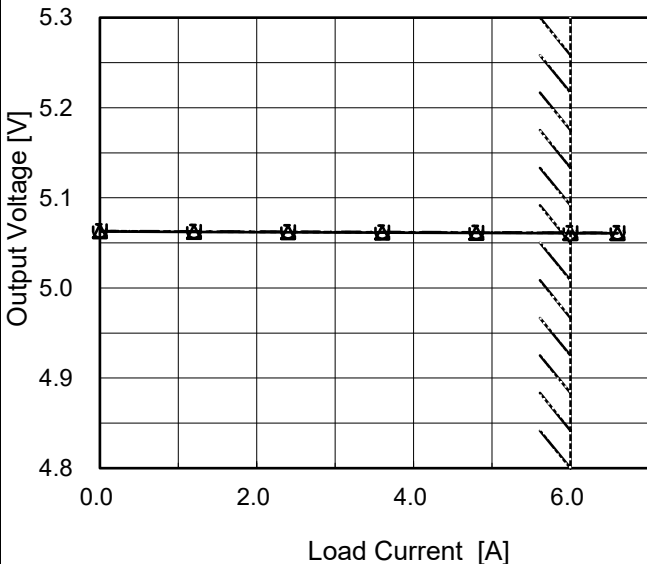
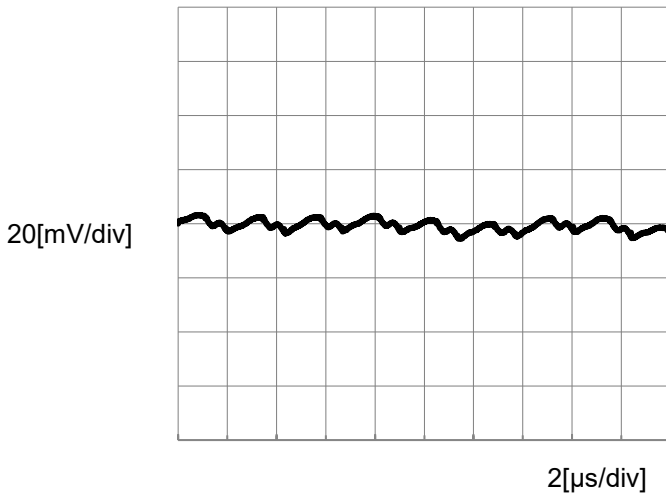
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Model		MUS304805	Temperature		25°C
Item		Line Regulation	Testing Circuitry		Figure A
Object		+5V6A			
1.Graph			2.Values		
Load 50% Load 100% Output Voltage [V]					

COSEL

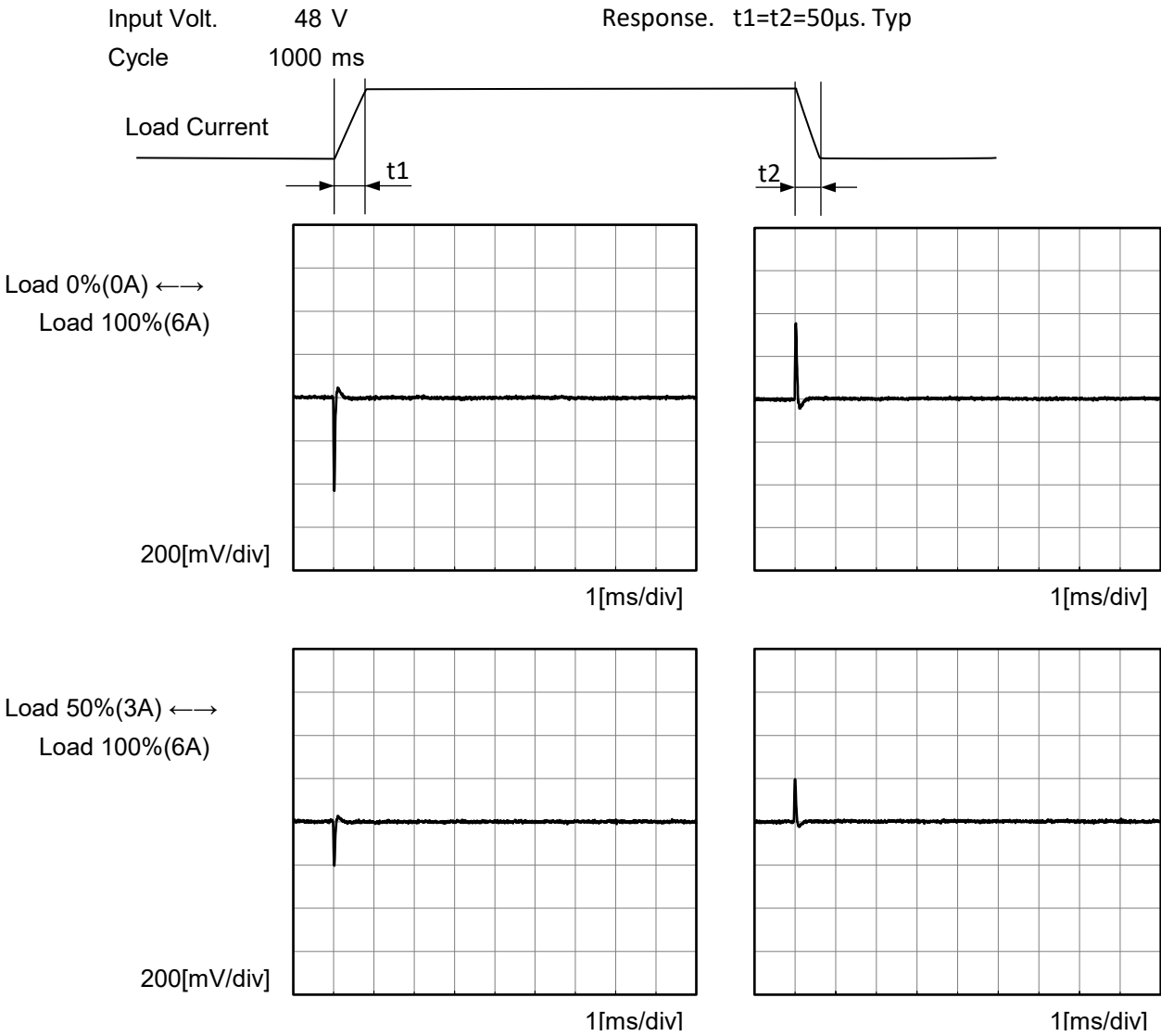
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Input Voltage48V Load100% 																																																						

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BC-12264



Model		MUS304805	Temperature 25°C Testing Circuitry Figure A
Item		Dynamic Load Response	
Object		+5V6A	

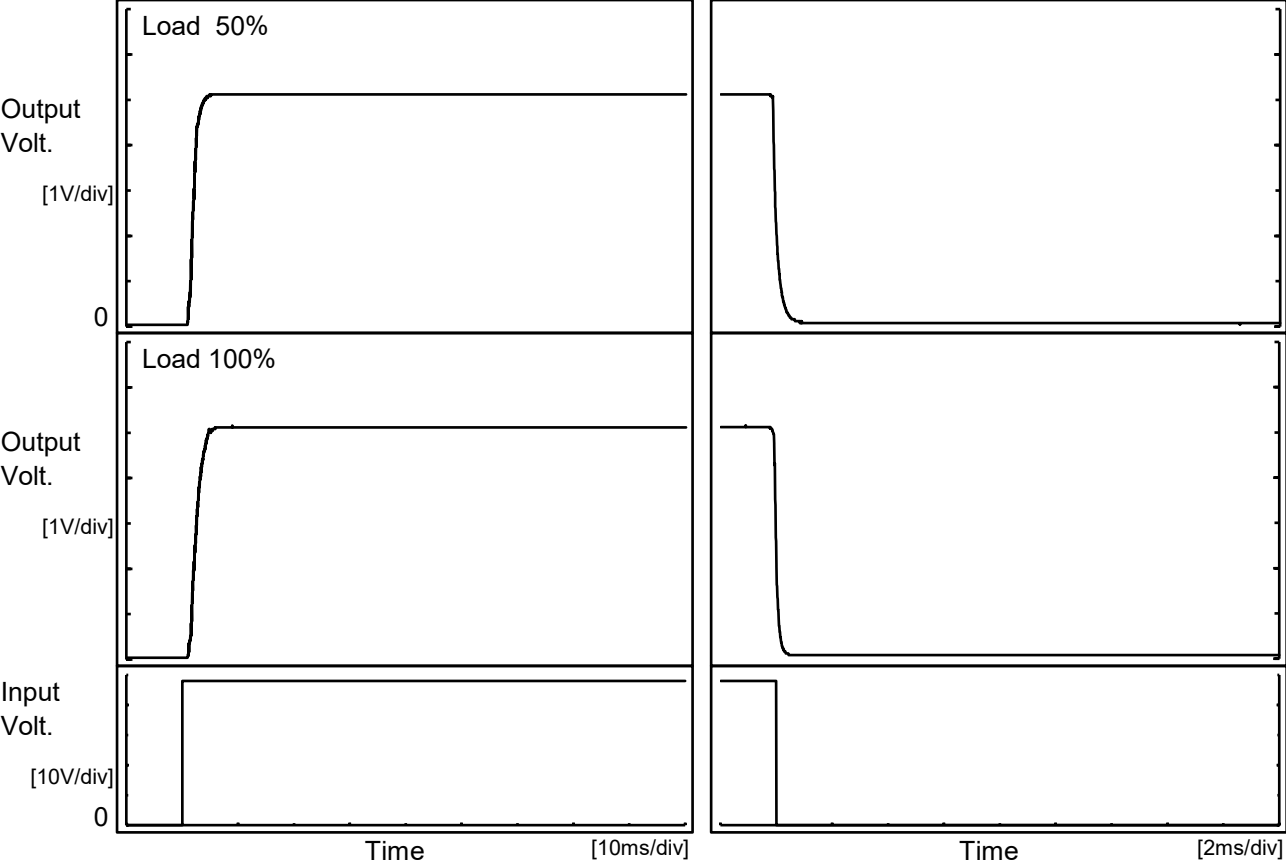




Model		MUS304805	Temperature 25°C Testing Circuitry Figure A
Item		Rise and Fall Time	
Object		+5V6A	

1.Graph

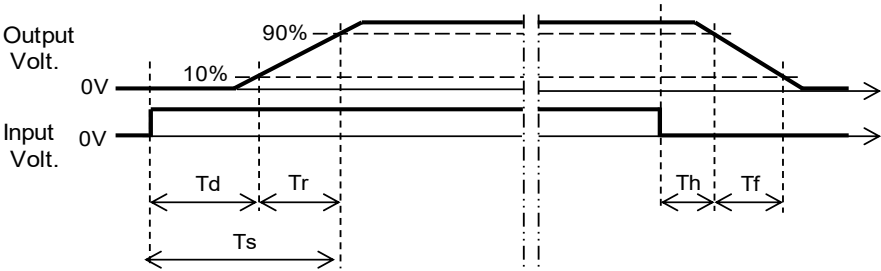
Input Volt. 48 V



2.Values

[ms]

Load \ Time	Td	Tr	Ts	Th	Tf
50 %	1.2	1.7	2.9	0.1	0.4
100 %	1.6	2.3	3.9	0.1	0.2



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Model	MUS304805																																																									
Item	Overcurrent Protection	Temperature	25°C																																																							
Object	+5V6A	Testing Circuitry	Figure A																																																							
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△ Input Volt. 36V □ Input Volt. 48V ○ Input Volt. 76V Note: Slanted line shows the range of the rated load current. Overcurrent protection is Hiccup mode.		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load 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>5.00</td><td>8.16</td><td>8.72</td><td>8.95</td></tr><tr><td>4.75</td><td>-</td><td>-</td><td>-</td></tr><tr><td>4.50</td><td>-</td><td>-</td><td>-</td></tr><tr><td>4.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3.50</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2.50</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>1.50</td><td>-</td><td>-</td><td>-</td></tr><tr><td>1.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.50</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr></table>		Output Voltage [V]	Load Current [A]			Input Volt. 36[V]	Input Volt. 48[V]	Input Volt. 76[V]	5.00	8.16	8.72	8.95	4.75	-	-	-	4.50	-	-	-	4.00	-	-	-	3.50	-	-	-	3.00	-	-	-	2.50	-	-	-	2.00	-	-	-	1.50	-	-	-	1.00	-	-	-	0.50	-	-	-	0.00	-	-	-
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		Testing Circuitry Figure A
Model	MUS304805	
Item	Ambient Temperature Drift	
Object	+5V6A	

1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 36V	Input Volt. 48V	Input Volt. 76V
-40	5.027	5.028	5.029
25	5.061	5.061	5.061
85	5.070	5.071	5.071

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	+5V6A	

1.Values

Ambient Temperature[°C]	Input Voltage [V]	
	Load 50%	Load 100%
-40	28.3	28.3
25	28.4	28.4
85	28.4	28.5

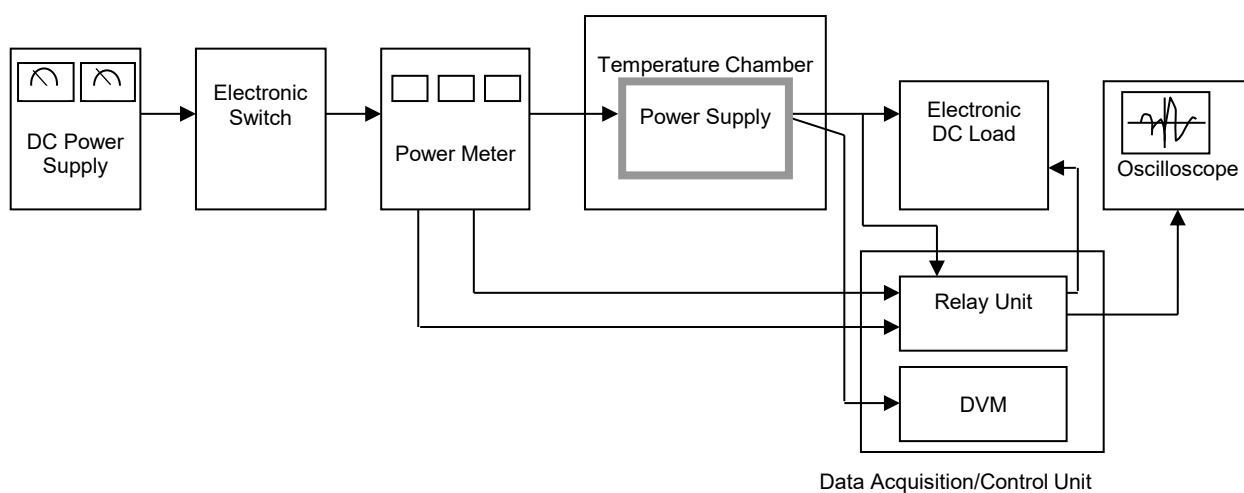


Figure A

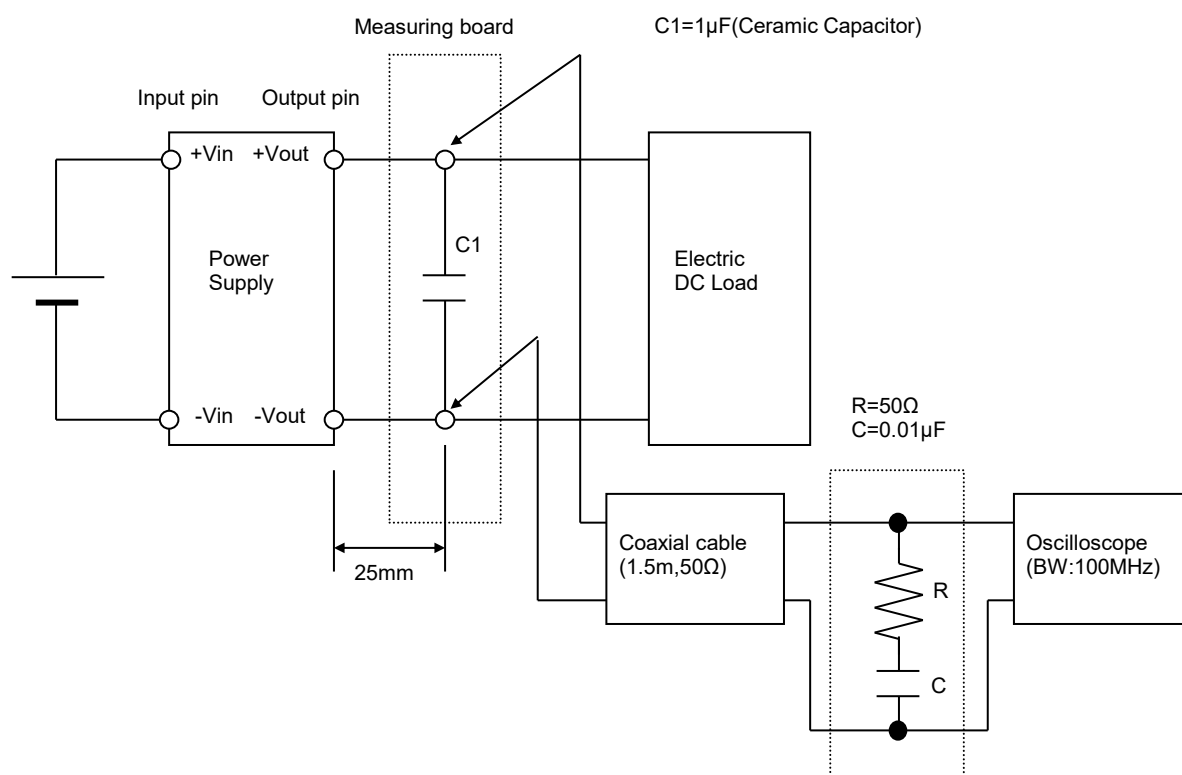


Figure B