



TEST DATA OF MUS154805

Regulated DC Power Supply
July 1, 2026

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Design Manager

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Design Engineer

COSEL CO.,LTD.

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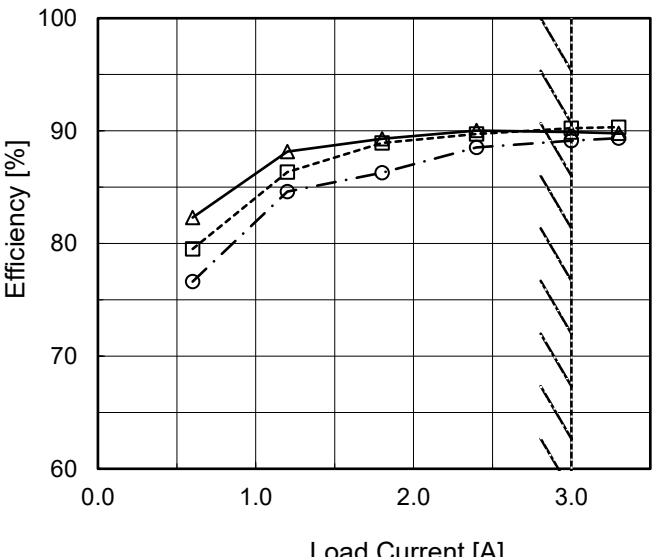
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Model	MUS154805																																																					
Item	Input Current (by Load Current)	Temperature	25°C																																																			
Object	_____	Testing Circuitry	Figure A																																																			
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—△— Input Volt. 36V ---□--- Input Volt. 48V ---○--- Input Volt. 76V Note: Slanted line shows the range of the rated load current.		<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>0.0</td><td>0.014</td><td>0.012</td><td>0.007</td></tr><tr><td>0.6</td><td>0.104</td><td>0.081</td><td>0.053</td></tr><tr><td>1.2</td><td>0.193</td><td>0.148</td><td>0.095</td></tr><tr><td>1.8</td><td>0.286</td><td>0.215</td><td>0.140</td></tr><tr><td>2.4</td><td>0.378</td><td>0.284</td><td>0.182</td></tr><tr><td>3.0</td><td>0.473</td><td>0.353</td><td>0.226</td></tr><tr><td>3.3</td><td>0.521</td><td>0.388</td><td>0.248</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]	0.0	0.014	0.012	0.007	0.6	0.104	0.081	0.053	1.2	0.193	0.148	0.095	1.8	0.286	0.215	0.140	2.4	0.378	0.284	0.182	3.0	0.473	0.353	0.226	3.3	0.521	0.388	0.248	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-
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Model		MUS154805	Temperature 25°C Testing Circuitry Figure A																																																				
Item		Efficiency (by Load Current)																																																					
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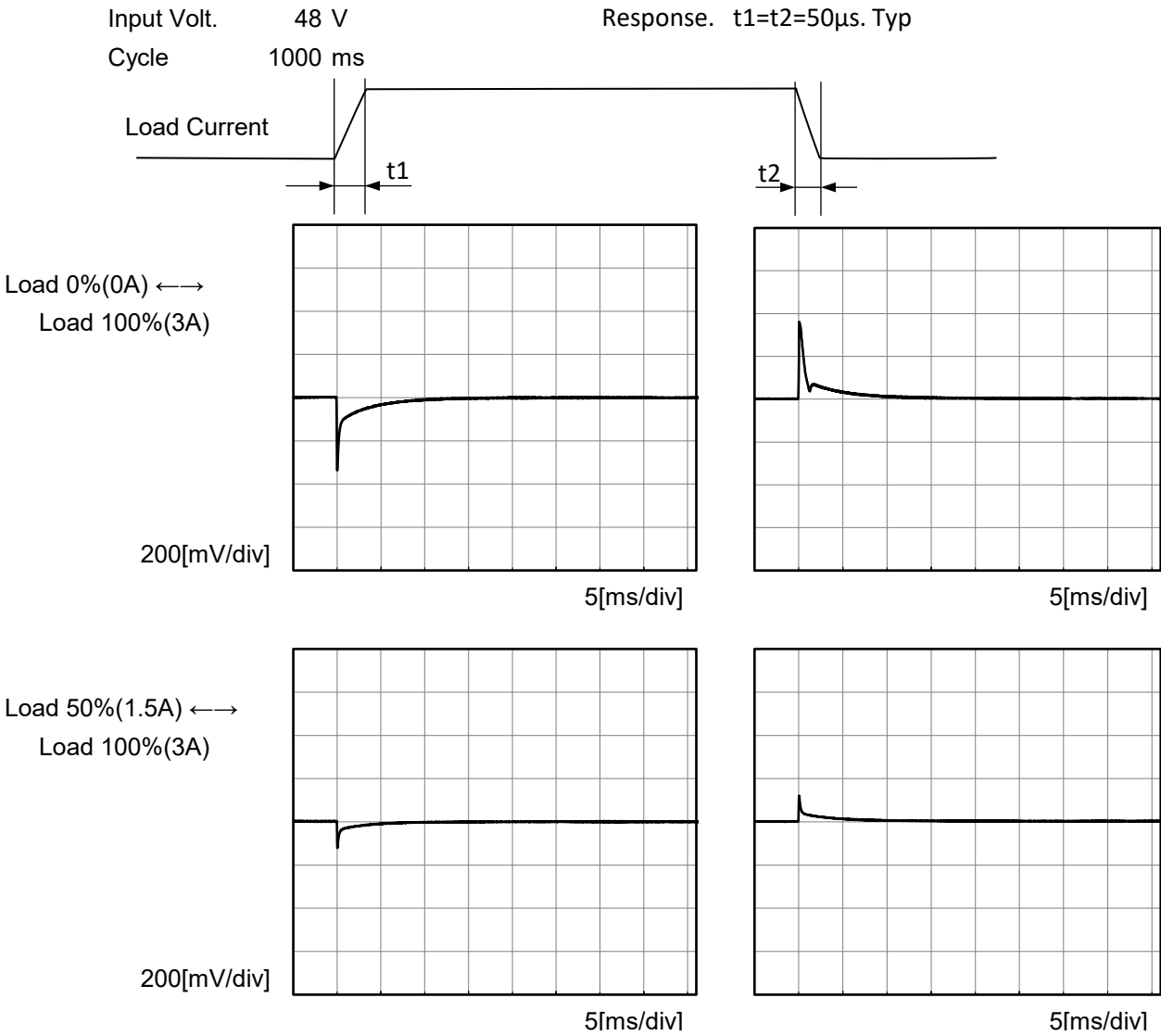
Model		MUS154805	Temperature		25°C
Item		Line Regulation	Testing Circuitry		Figure A
Object		+5V3A			
1.Graph			2.Values		
Load 50% Load 100% Output Voltage [V] <					

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Item	Ripple-Noise	Temperature	25°C																																																			
Object	+5V3A	Testing Circuitry	Figure B																																																			
1.Graph																																																						
Input Voltage 48V Load 100% 20[mV/div] 2[μs/div]																																																						



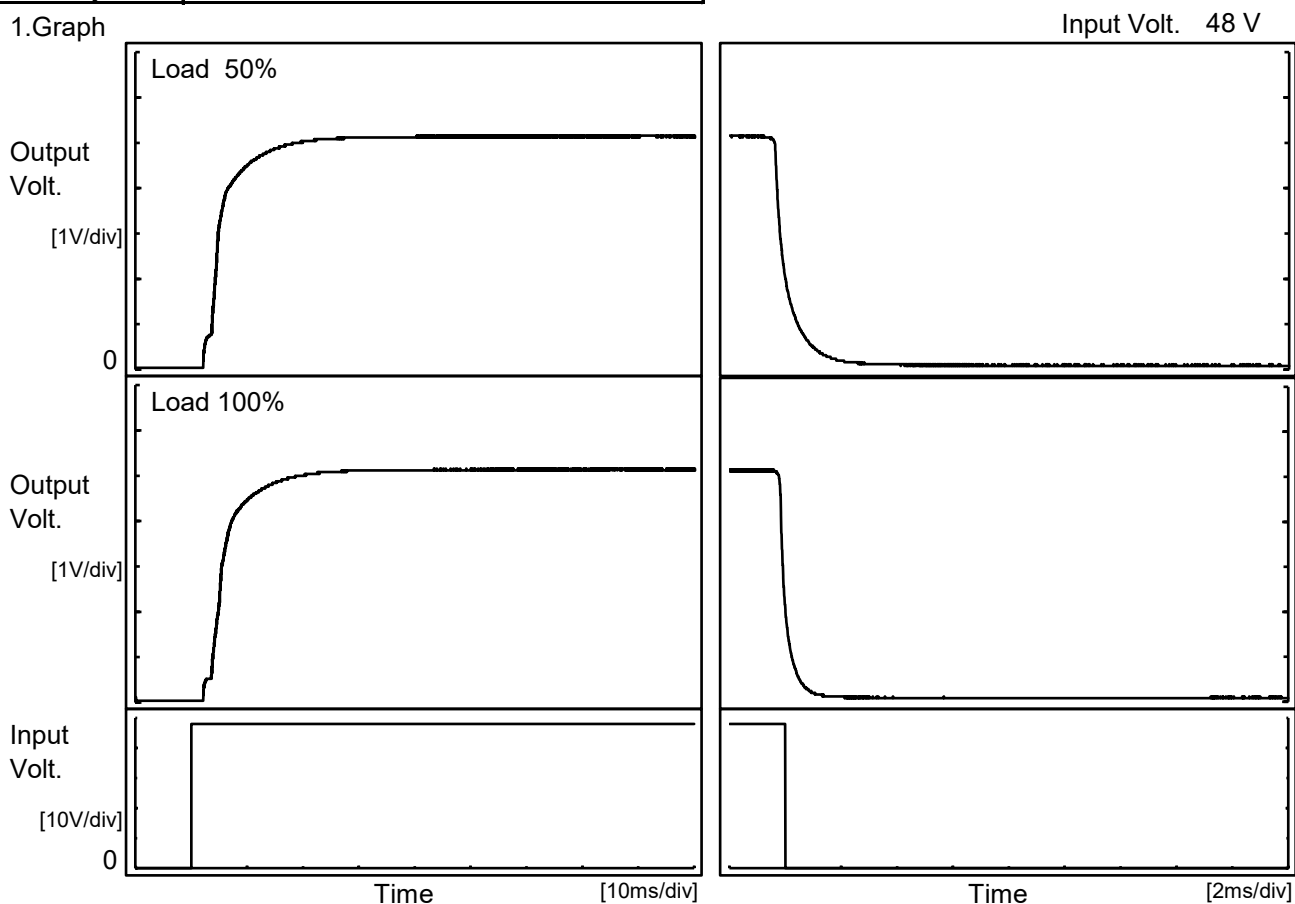
Model		MUS154805	Temperature 25°C Testing Circuitry Figure A
Item		Dynamic Load Response	
Object		+5V3A	



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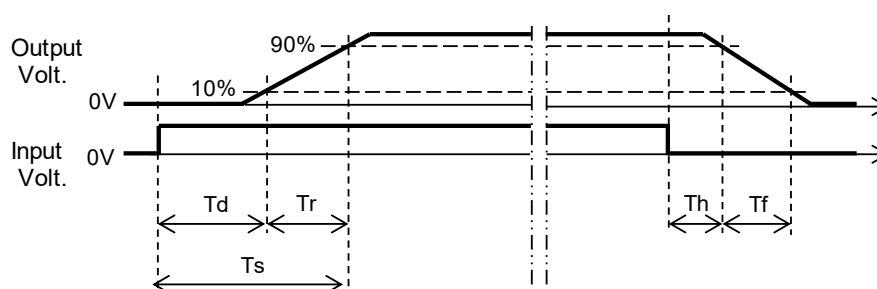
Model	MUS154805	Temperature 25°C Testing Circuitry Figure A
Item	Rise and Fall Time	
Object	+5V3A	

1.Graph



2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		2.4	8.0	10.4	0.4	1.3
100 %		3.6	7.1	10.7	0.2	0.6



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Model		MUS154805	Temperature		25°C																																																							
Item		Overcurrent Protection	Testing Circuitry		Figure A																																																							
Object		+5V3A																																																										
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		Testing Circuitry Figure A
Model	MUS154805	
Item	Ambient Temperature Drift	
Object	+5V3A	

1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 36V	Input Volt. 48V	Input Volt. 76V
-40	5.091	5.089	5.087
25	5.100	5.100	5.098
75	5.090	5.090	5.088

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	28.2	28.2
25	28.4	28.4
75	28.5	28.6

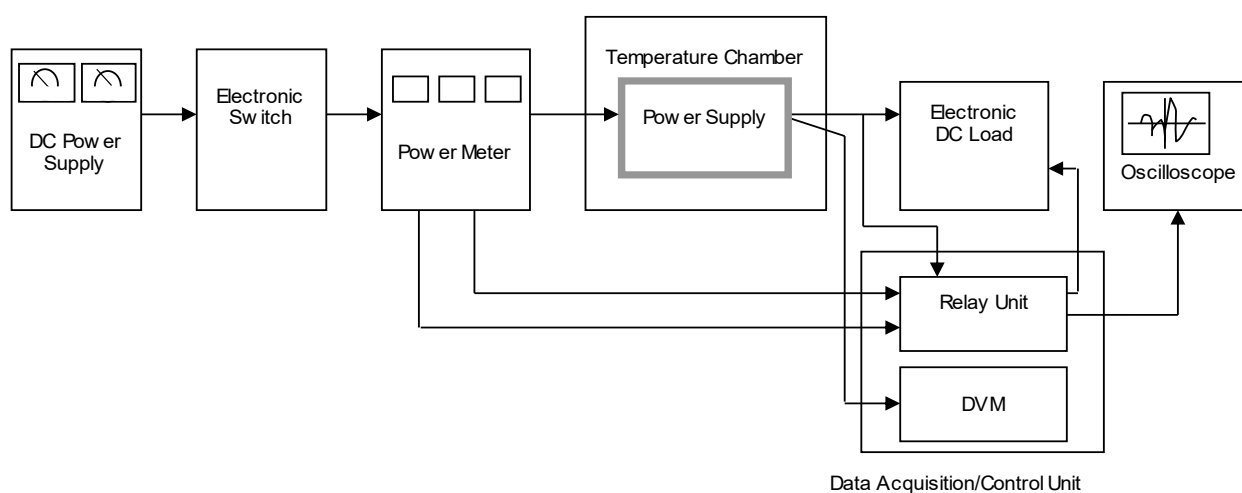


Figure A

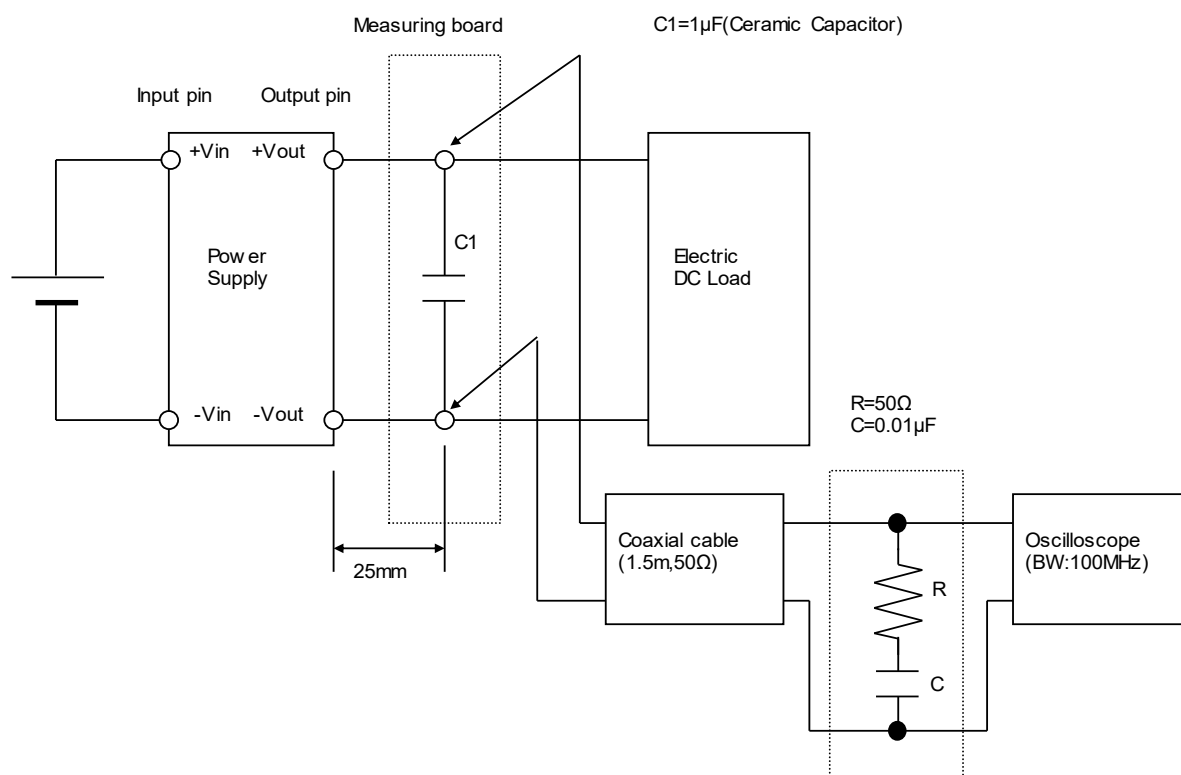


Figure B