

TEST DATA OF MUW1R51215

Regulated DC Power Supply
February 6, 2025

Approved by : Kenichi Tsukada
Design Manager

Prepared by : Soichiro Kawaguchi
Design Engineer

COSEL CO.,LTD.

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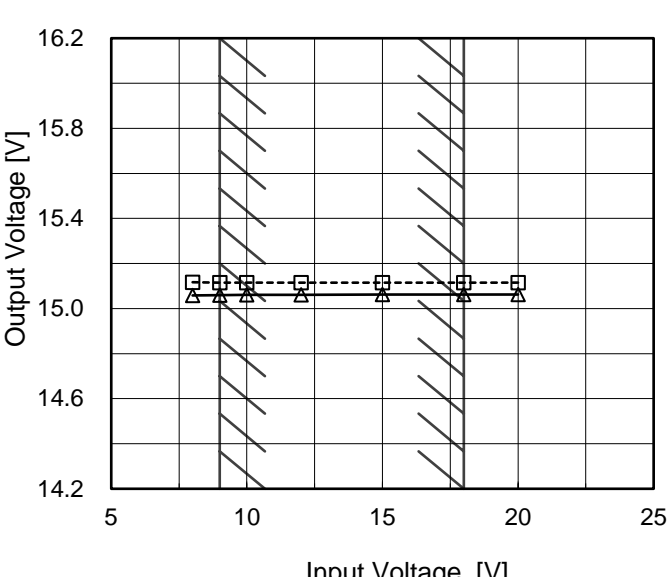
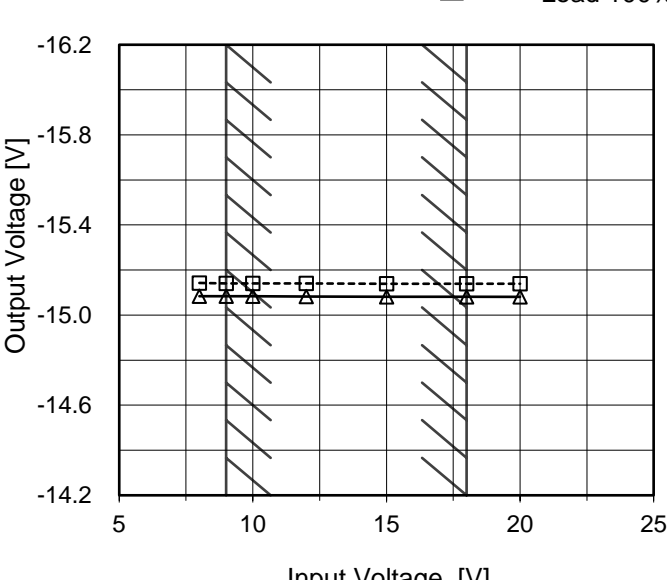
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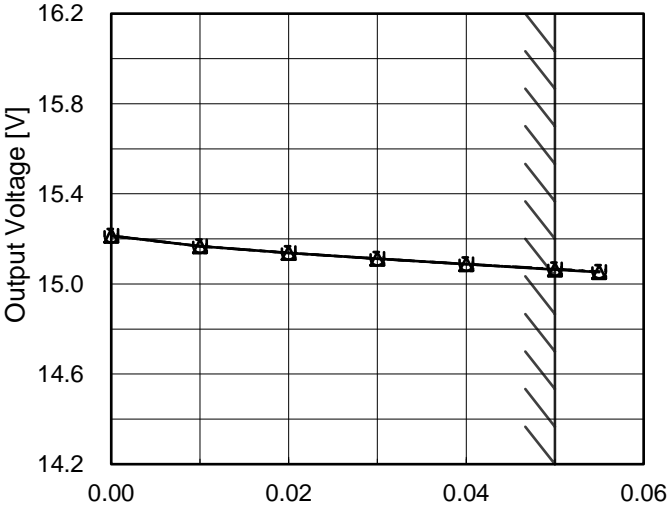
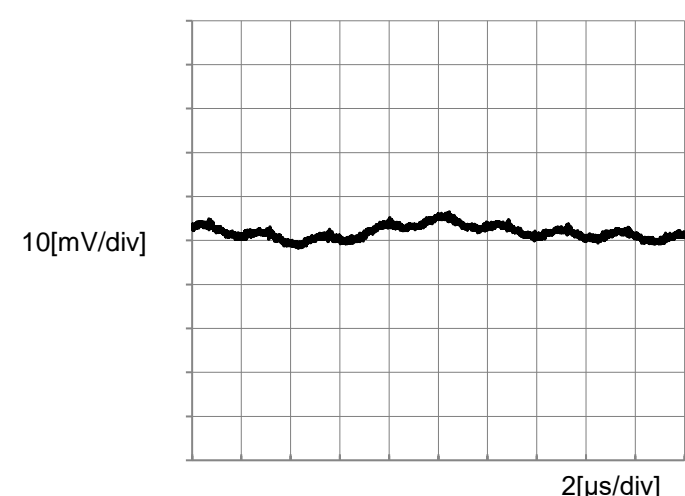
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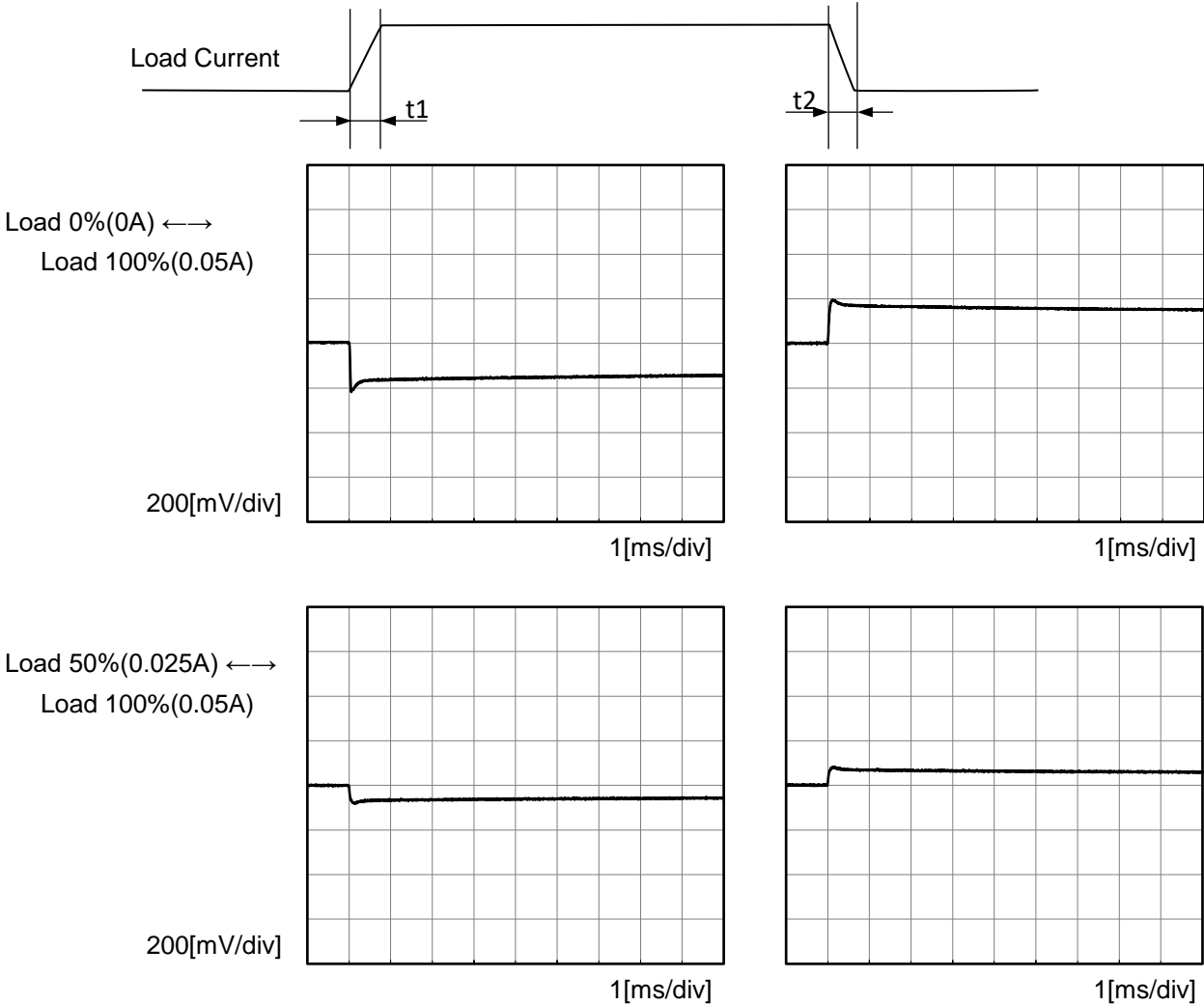
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Item		Dynamic Load Response	
Object		+15V0.05A	

Input Volt. 12 V

-15V:Rated Load Current

Cycle 1000 ms

Response. t1=t2=50μs. Typ





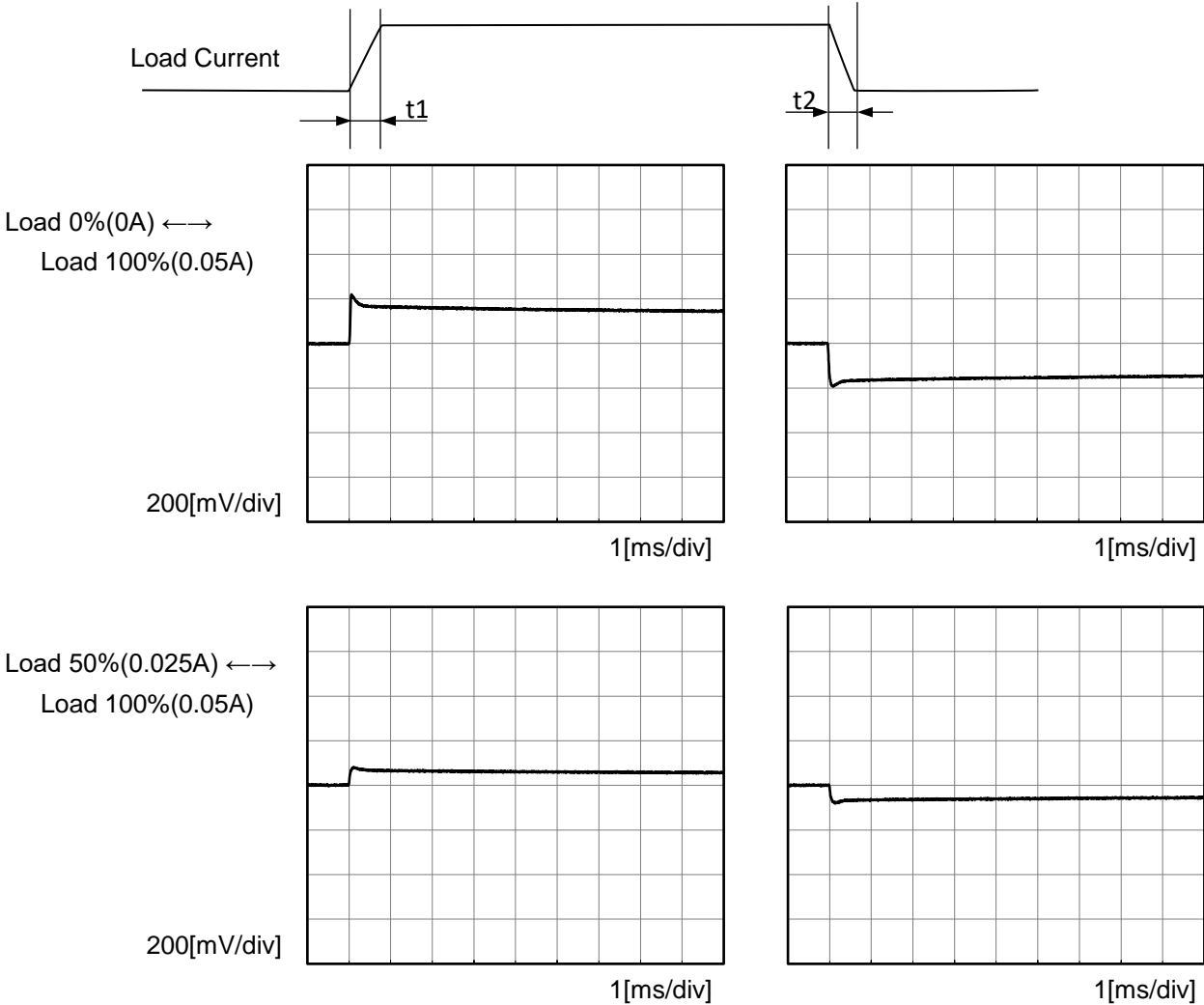
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Item		Dynamic Load Response	
Object		-15V0.05A	

Input Volt. 12 V

+15V:Rated Load Current

Cycle 1000 ms

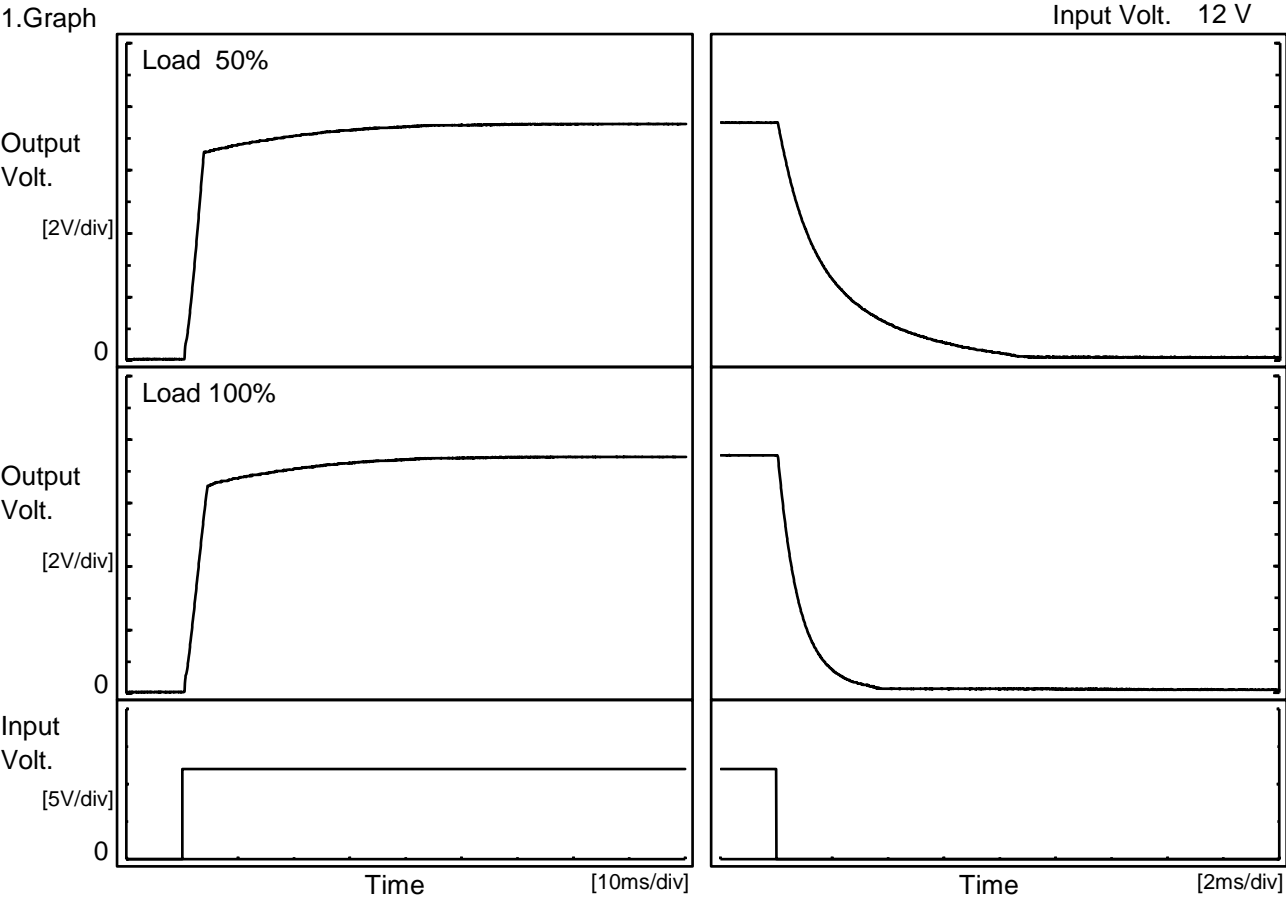
Response. t1=t2=50μs. Typ





Model	MUW1R51215	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	+15V0.05A		

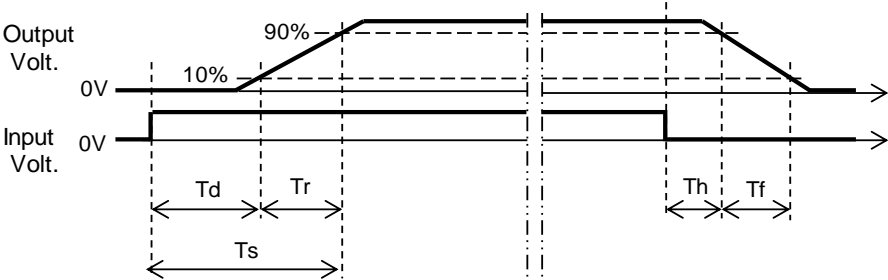
1.Graph



-15V:Load Current is same as +15V

2.Values

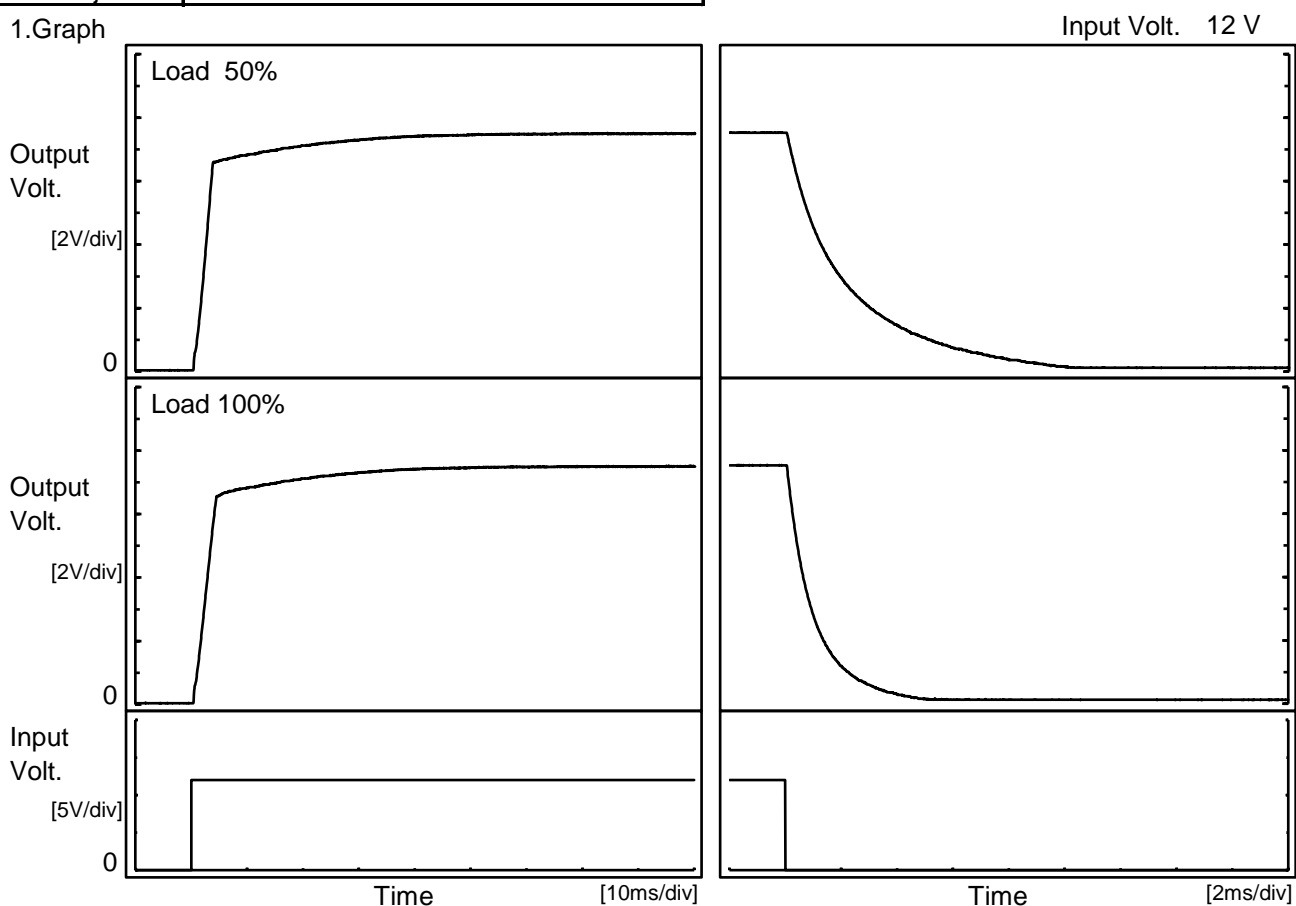
		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		0.9	8.9	9.8	0.2	4.9
100 %		0.9	9.3	10.2	0.1	1.8



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Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	-15V0.05A		

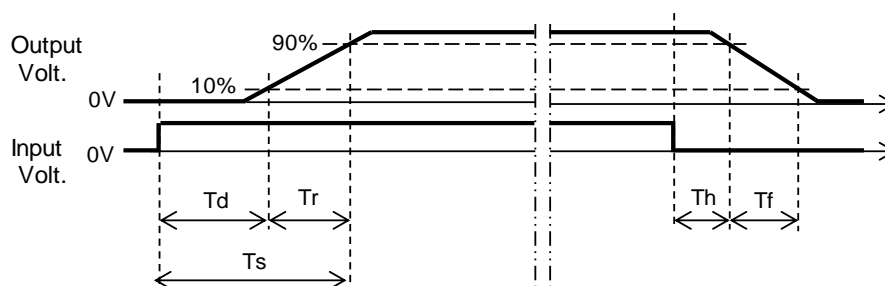
1.Graph



+15V:Load Current is same as -15V

2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		0.9	7.7	8.6	0.2	5.6
100 %		0.9	7.8	8.7	0.1	2.4



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Note: Slanted line shows the range of the rated load current.																																																										

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BC-12069

COSEL

		Testing Circuitry Figure A
Model	MUW1R51215	
Item	Ambient Temperature Drift	
Object	+15V0.05A	

1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 9V	Input Volt. 12V	Input Volt. 18V
-40	14.956	14.958	14.959
25	15.067	15.068	15.069
85	15.093	15.094	15.095

-15V:Load Current is same as +15V

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	+15V0.05A	

1.Values

Ambient Temperature[°C]	Input Voltage [V]	
	Load 50%	Load 100%
-40	7.1	7.1
25	7.1	7.1
85	7.1	7.1

-15V:Load Current is same as +15V

COSEL

		Testing Circuitry Figure A
Model	MUW1R51215	
Item	Ambient Temperature Drift	
Object	-15V0.05A	

1.Values

Load 100%

Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 9V	Input Volt. 12V	Input Volt. 18V
-40	-14.971	-14.971	-14.971
25	-15.080	-15.079	-15.079
85	-15.107	-15.106	-15.105

+15V:Load Current is same as -15V

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	-15V0.05A	

1.Values

Ambient Temperature[°C]	Input Voltage [V]	
	Load 50%	Load 100%
-40	7.1	7.1
25	7.1	7.1
85	7.1	7.1

+15V:Load Current is same as -15V

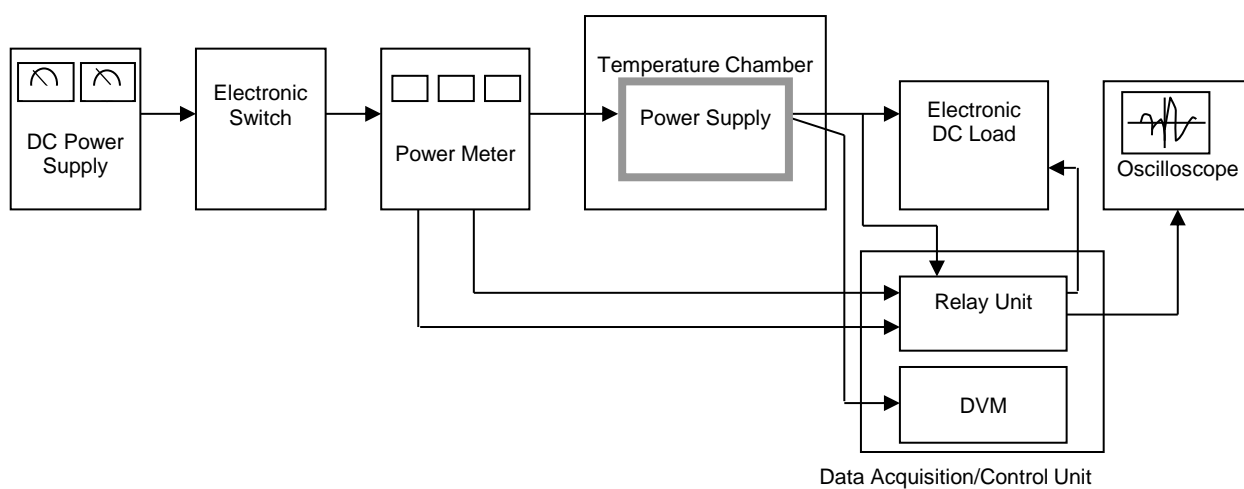


Figure A

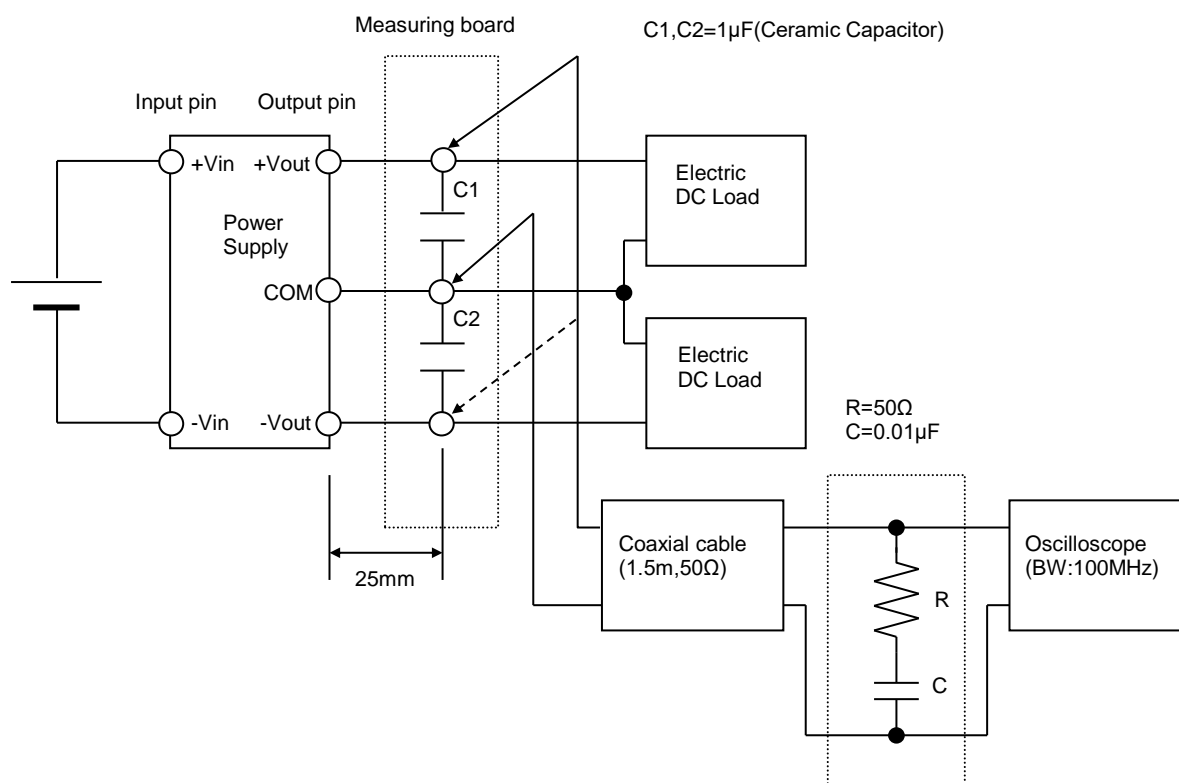


Figure B