For Reference

TEST DATA OF MUS6483R3

Regulated DC Power Supply
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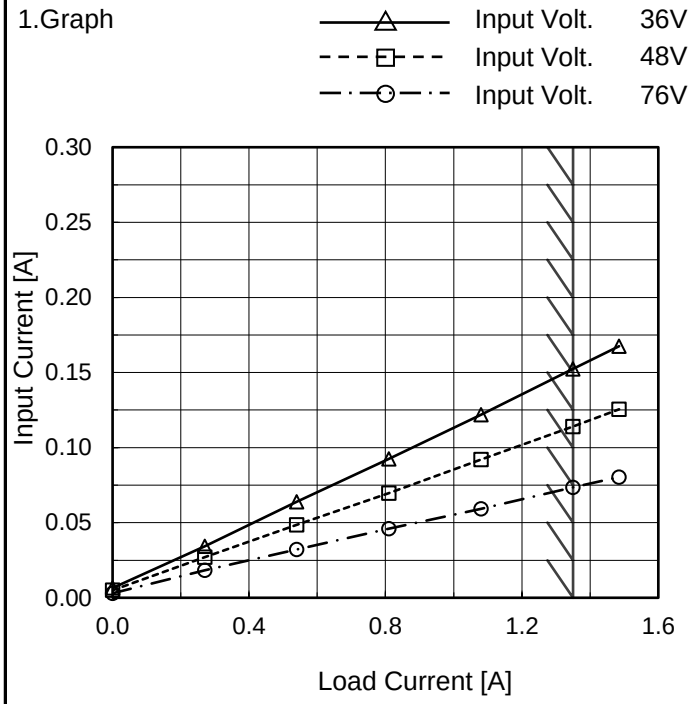
Model	MUS6483R3
Item	Input Current (by Load Current)
Object	————————

Temperature 25°C
Testing Circuitry Figure A

1.Graph



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

2.Values

Load Current [A]	Input Current [A]		
	Input Volt. 36[V]	Input Volt. 48[V]	Input Volt. 76[V]
0.000	0.007	0.005	0.003
0.270	0.034	0.027	0.018
0.540	0.064	0.049	0.032
0.810	0.093	0.070	0.046
1.080	0.122	0.092	0.059
1.350	0.152	0.114	0.074
1.485	0.168	0.126	0.080
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

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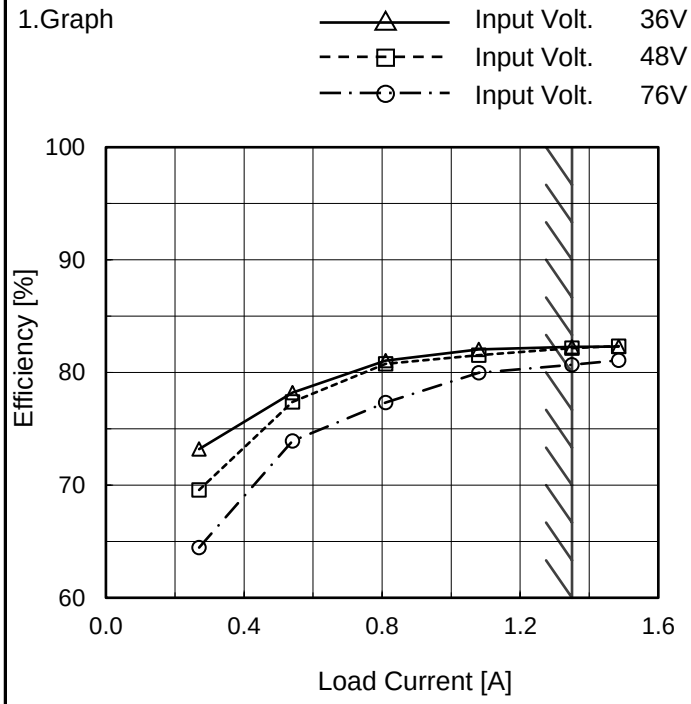
Model	MUS6483R3
Item	Efficiency (by Load Current)
Object	————————

Temperature 25°C
Testing Circuitry Figure A

1.Graph



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

2.Values

Load Current [A]	Efficiency [%]		
	Input Volt. 36[V]	Input Volt. 48[V]	Input Volt. 76[V]
0.000	-	-	-
0.270	73.2	69.6	64.5
0.540	78.2	77.4	73.9
0.810	81.0	80.8	77.3
1.080	82.0	81.5	80.0
1.350	82.3	82.2	80.7
1.485	82.3	82.3	81.1
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

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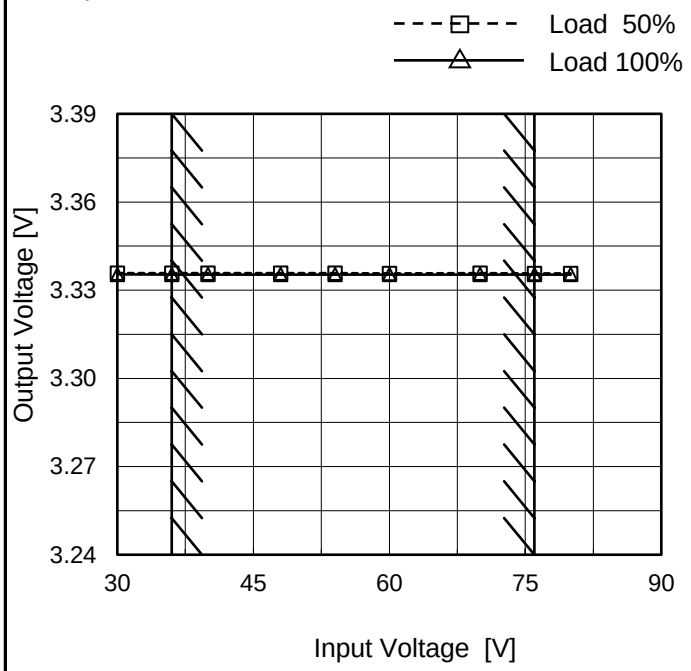
Model	MUS6483R3
Item	Line Regulation
Object	+3.3V1.35A

Temperature 25°C
Testing Circuitry Figure A

1.Graph



Note: Slanted line shows the range of the rated input voltage.

2.Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
30	3.336	3.335
36	3.336	3.335
40	3.336	3.335
48	3.336	3.335
54	3.336	3.335
60	3.336	3.335
70	3.336	3.335
76	3.336	3.335
80	3.336	3.335

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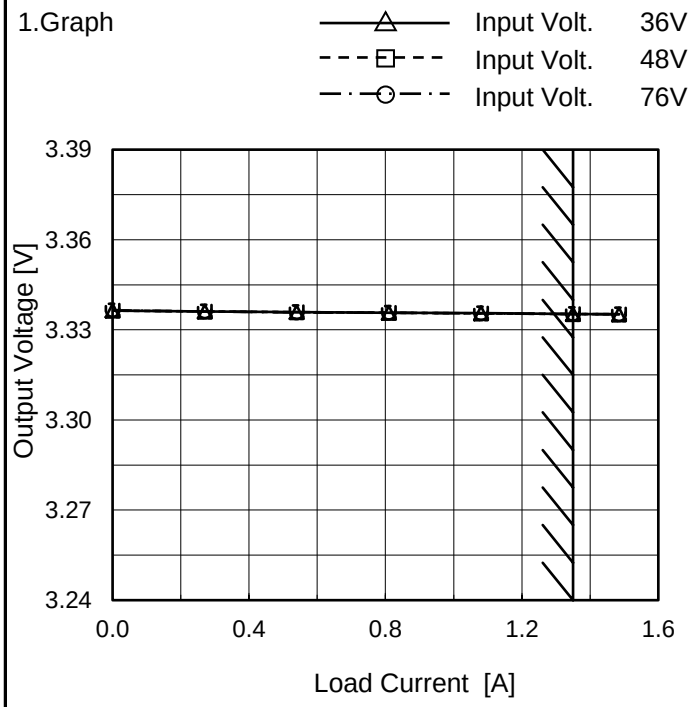
Model	MUS6483R3
Item	Load Regulation
Object	+3.3V1.35A

Temperature 25°C
Testing Circuitry Figure A

1.Graph



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

2.Values

Load Current [A]	Output Voltage [V]		
	Input Volt. 36[V]	Input Volt. 48[V]	Input Volt. 76[V]
0.000	3.336	3.336	3.337
0.270	3.336	3.336	3.336
0.540	3.336	3.336	3.336
0.810	3.336	3.336	3.336
1.080	3.336	3.336	3.336
1.350	3.335	3.335	3.335
1.485	3.335	3.335	3.335
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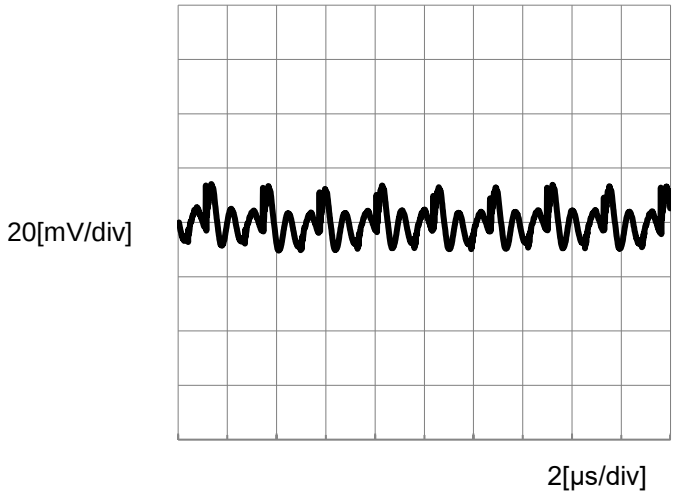
Item	Ripple-Noise
Object	+3.3V1.35A

Temperature 25°C
Testing Circuitry Figure B

1.Graph

Input Voltage V
Load 100%



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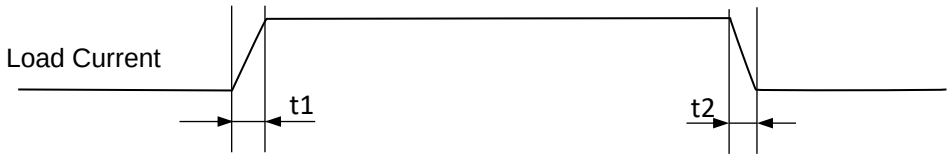
Model	MUS6483R3	
Item	Dynamic Load Response	Temperature 25°C Testing Circuitry Figure A
Object	+3.3V1.35A	

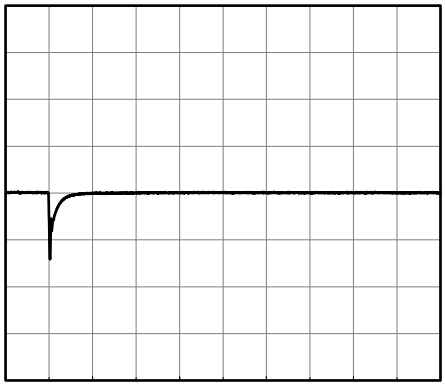
Input Volt. 48 V

Cycle 100 ms

Response. t1=t2=50µs. Typ



Load 0%(0A) ←→
Load 100%(1.35A)

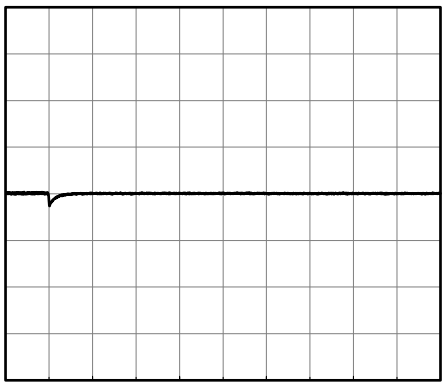


200[mV/div]

1[ms/div]

1[ms/div]

Load 50%(0.675A) ←→
Load 100%(1.35A)



200[mV/div]

1[ms/div]

1[ms/div]

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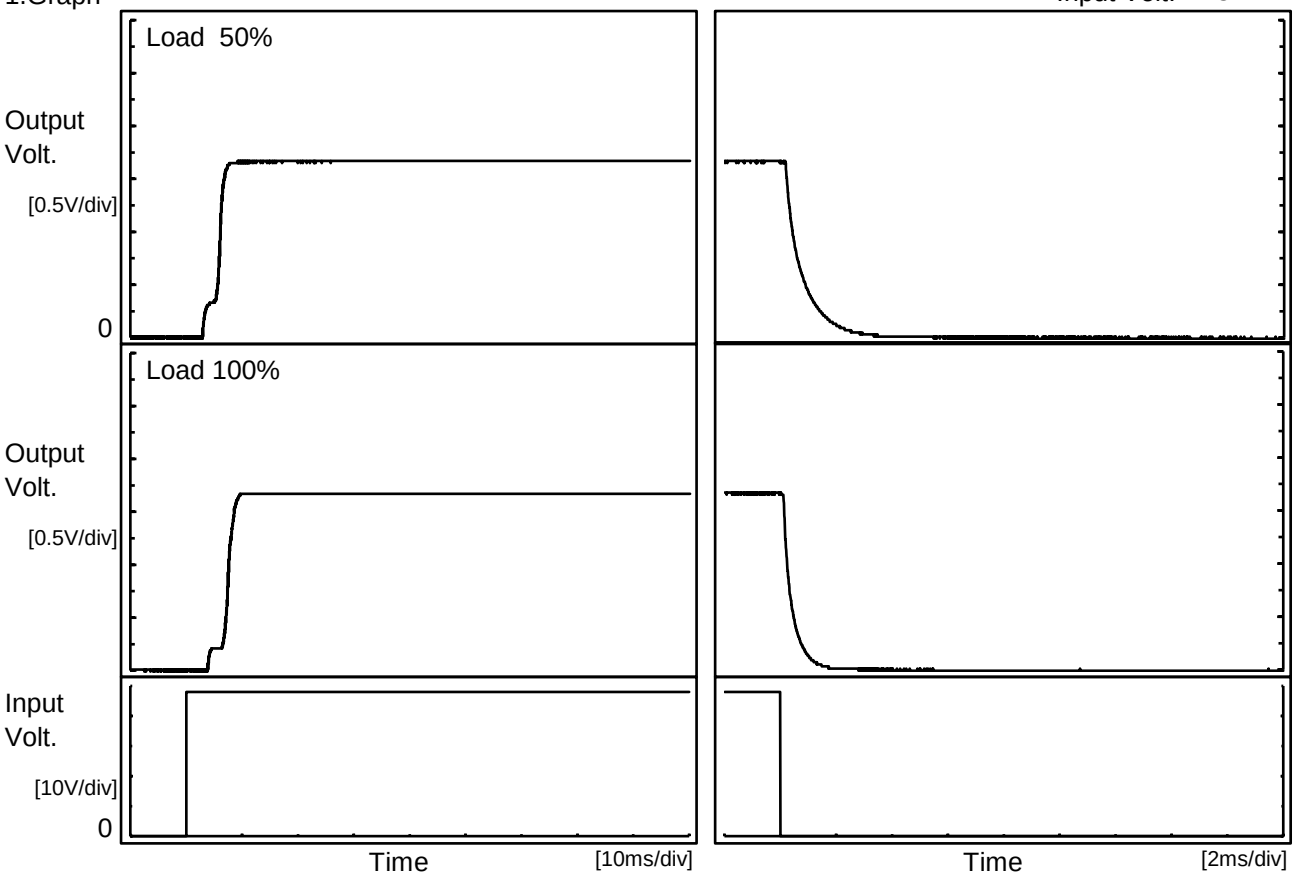
Model	MUS6483R3	
Item	Rise and Fall Time	Temperature 25°C Testing Circuitry Figure A
Object	+3.3V1.35A	

1.Graph

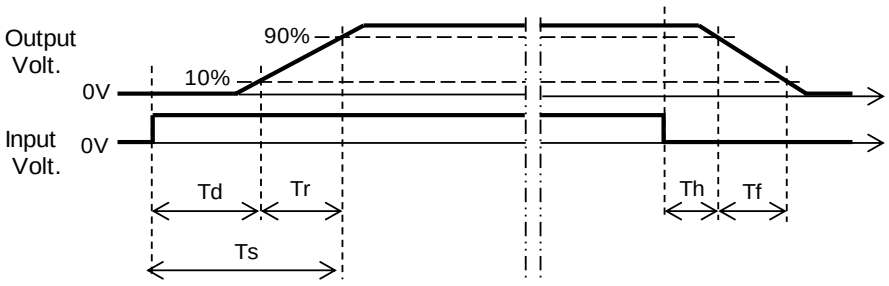
Input Volt. 48 V



2.Values

[ms]

Load \ Time	Td	Tr	Ts	Th	Tf
50 %	3.1	3.5	6.6	0.2	1.8
100 %	4.0	4.5	8.5	0.1	0.9



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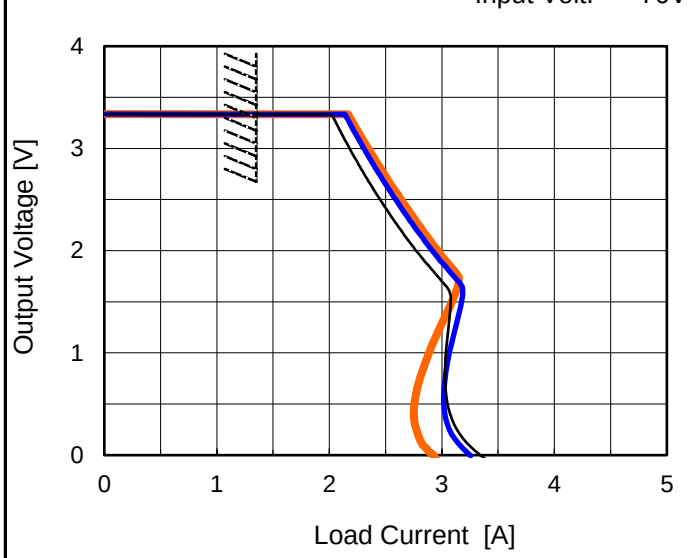
Model	MUS6483R3
Item	Overcurrent Protection
Object	+3.3V1.35A

Temperature 25°C
Testing Circuitry Figure A

1.Graph



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

2.Values

Output Voltage [V]	Load Current [A]		
	Input Volt. 36[V]	Input Volt. 48[V]	Input Volt. 76[V]
3.14	2.12	2.24	2.28
2.97	2.20	2.33	2.37
2.64	2.38	2.52	2.56
2.31	2.57	2.72	2.76
1.98	2.79	2.94	2.98
1.65	3.04	3.18	3.08
1.32	3.06	3.12	2.99
0.99	3.03	3.05	2.85
0.66	3.03	3.02	2.76
0.33	3.11	3.05	2.76
0.00	3.38	3.26	2.95
--	-	-	-

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Model	MUS6483R3	
Item	Ambient Temperature Drift	Testing Circuitry Figure A
Object	+3.3V1.35A	

1.Values

Load 100%

Ambient Temperature[℃]	Output Voltage [V]		
	Input Volt. 36V	Input Volt. 48V	Input Volt. 76V
-40	3.323	3.323	3.323
25	3.335	3.335	3.335
85	3.328	3.328	3.328

Item	Minimum Input Voltage for Regulated Output Voltage	Testing Circuitry Figure A
Object	+3.3V1.35A	

1.Values

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

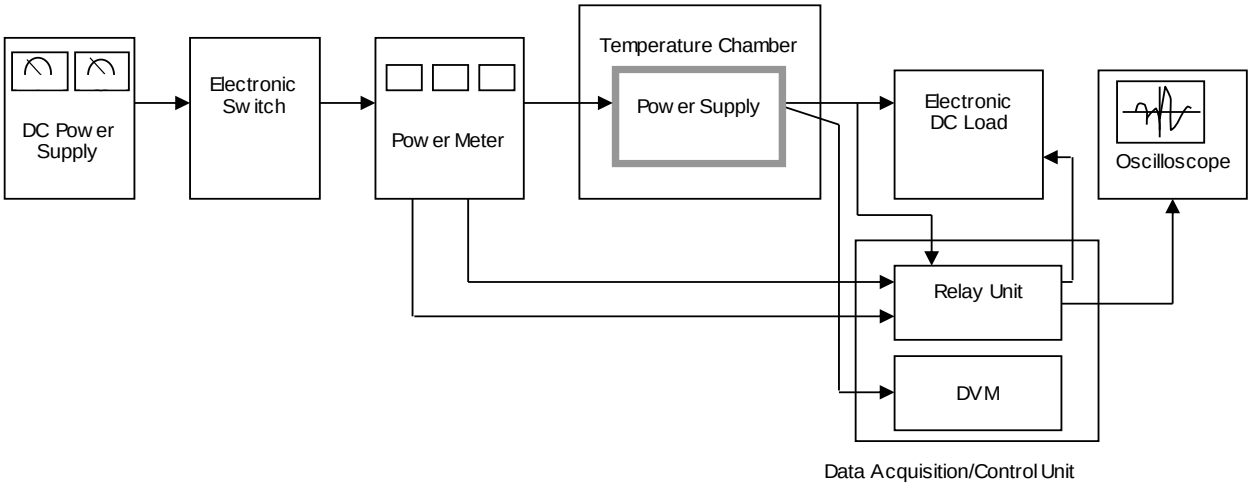

Figure A

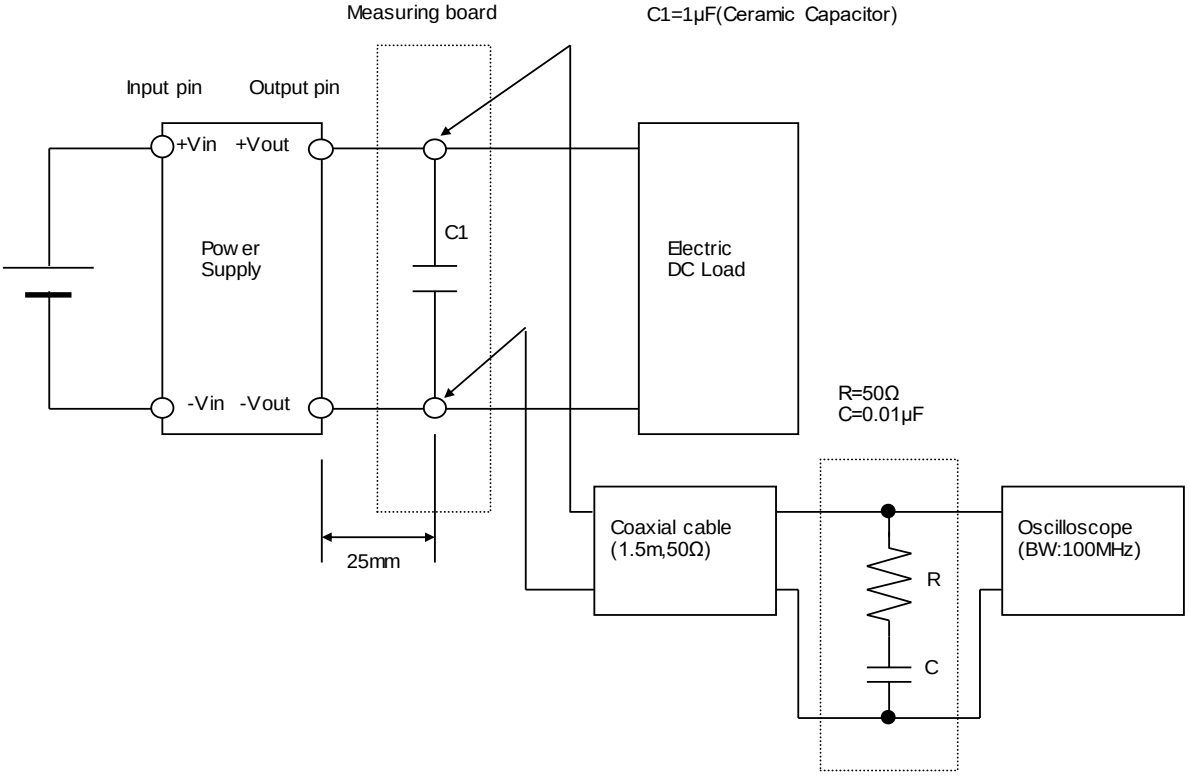

Figure B