

TEST DATA OF PJA15F-5

Regulated DC Power Supply
May 26, 2026

Approved by : Yoshiaki Shimizu
Design Manager

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Design Engineer

COSEL CO.,LTD.

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Model		PJA15F-5	Temperature		25°C																																																			
Item		Input Current (by Load Current)	Testing Circuitry		Figure A																																																			
Object		_____																																																						
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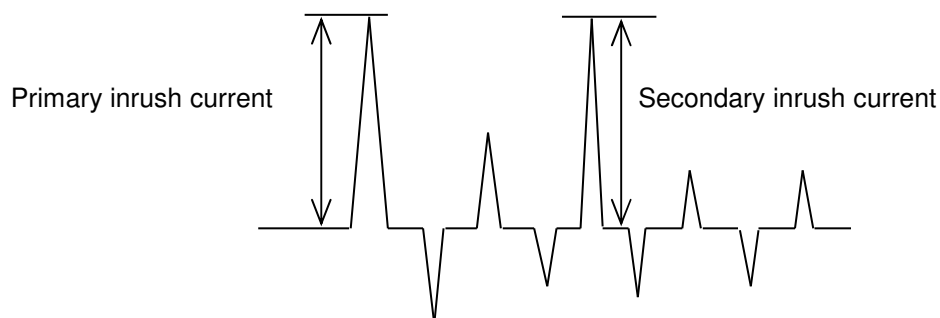
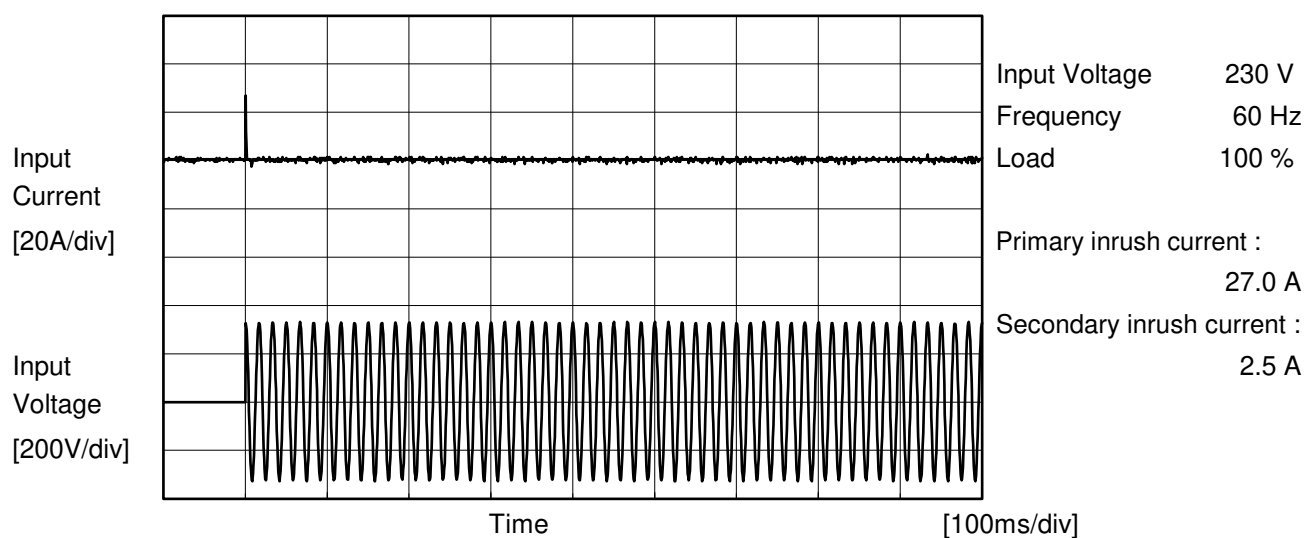
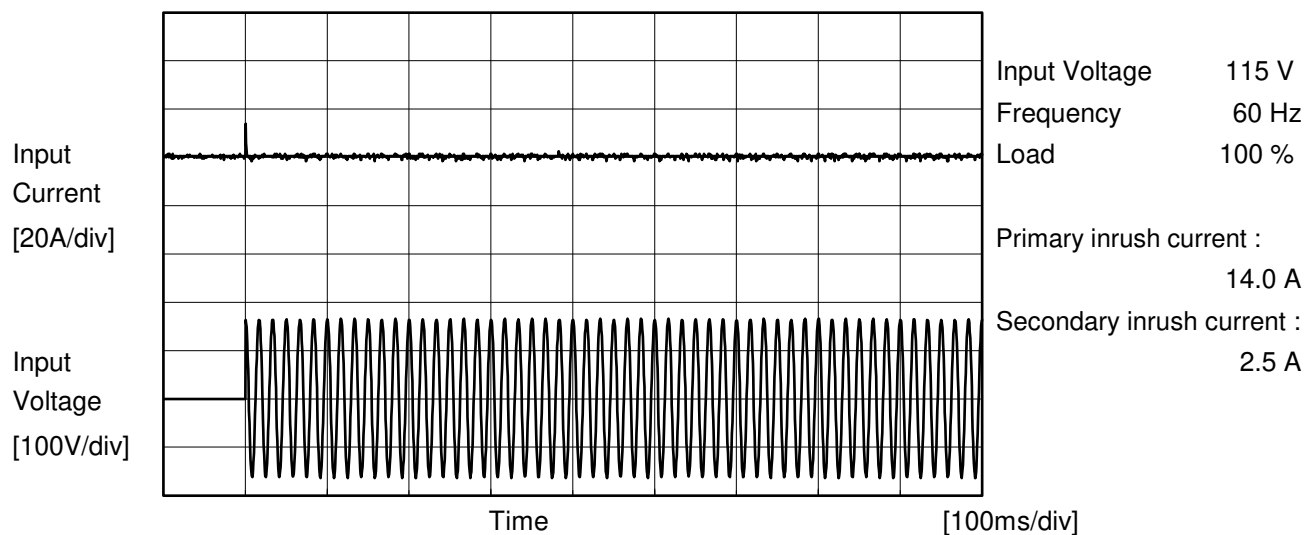
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Model	PJA15F-5	Temperature	25°C
Item	Inrush Current	Testing Circuitry	Figure A
Object	_____		





Model		PJA15F-5	Temperature 25°C Testing Circuitry Figure C
Item		Leakage Current	
Object		_____	

1.Results

[mA]

Standards	Testing Circuitry	Measuring Method	Input Volt.			Note
			100 [V]	115 [V]	230 [V]	
DEN-AN	Figure C-1	Both phases	0.06	0.07	0.17	Operation
		One of phases	0.09	0.11	0.25	Stand by
IEC62368-1	Figure C-2	Both phases	0.06	0.08	0.16	Operation
		One of phases	0.10	0.11	0.24	Stand by
	Figure C-3	Both phases	0.06	0.07	0.16	Operation
		One of phases	0.09	0.11	0.24	Stand by

The value for "One of phases" is the reference value only.

2.Condition

Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.

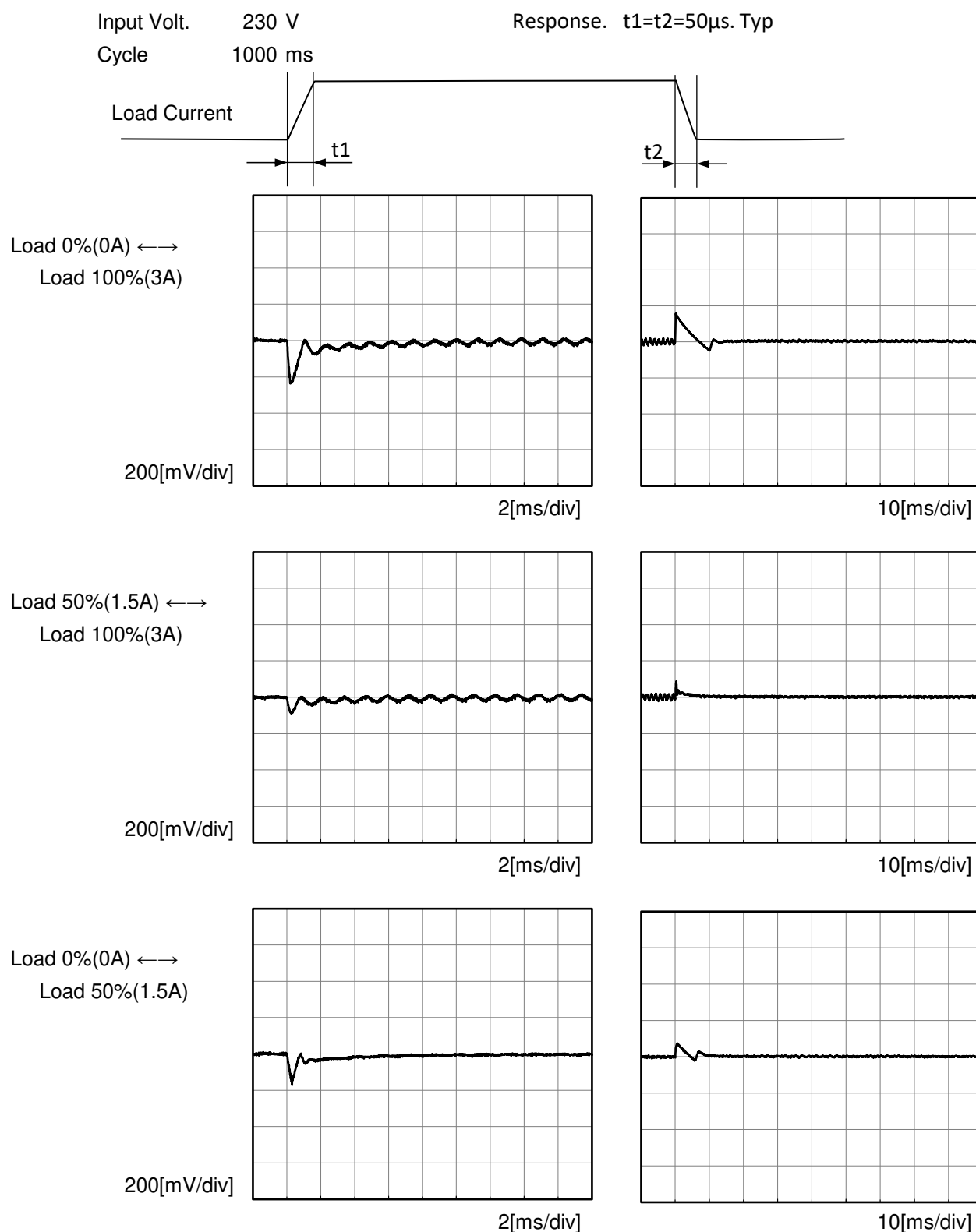
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Model	PJA15F-5		
Item	Load Regulation	Temperature	25°C
Object	+5V3A	Testing Circuitry	Figure A
1.Graph		2.Values	
—△— Input Volt. 100V ---□--- Input Volt. 115V ---○--- Input Volt. 230V Output Voltage [V]			

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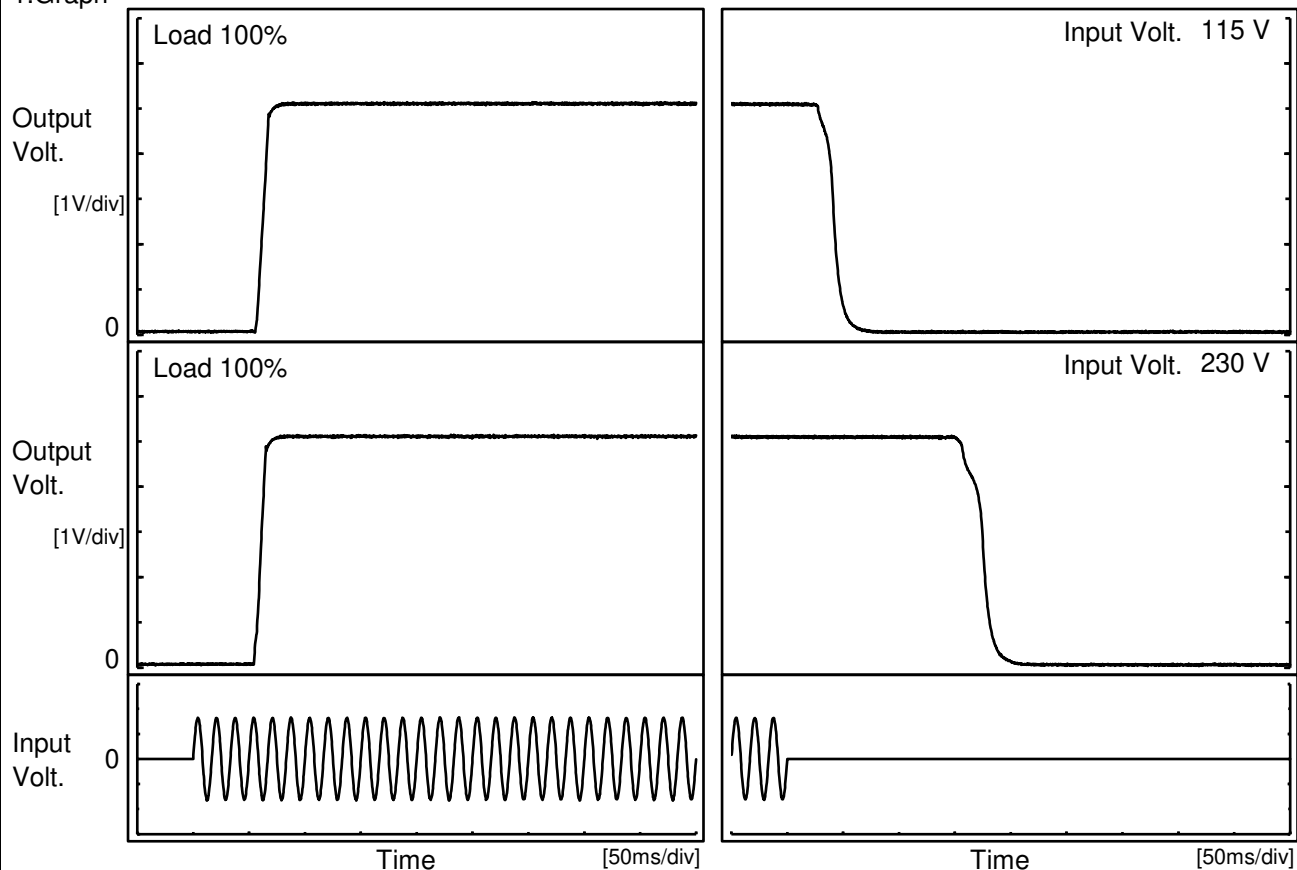
Model	PJA15F-5	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Response	
Object	+5V3A	



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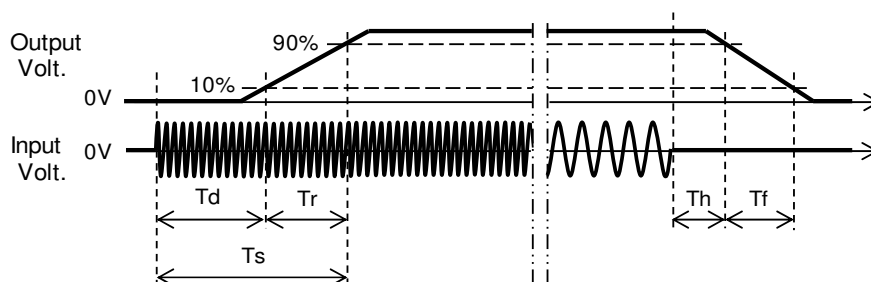
Model	PJA15F-5	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	+5V3A		

1.Graph

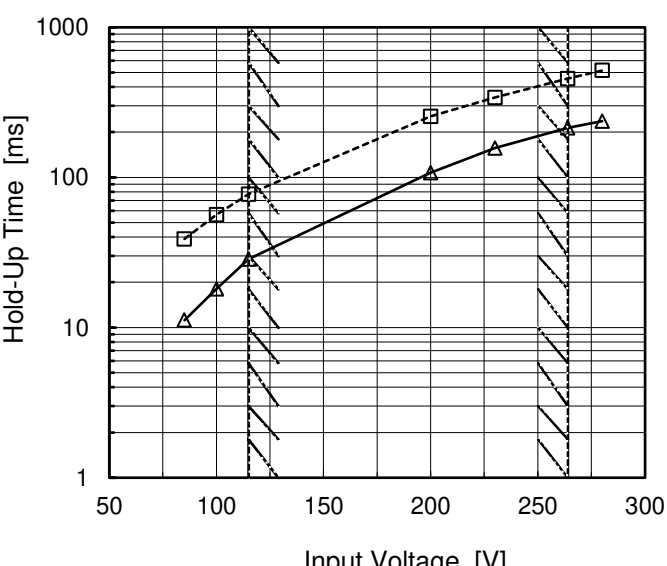


2.Values

Input Volt.	Time	Td	Tr	Ts	Th	Tf
115 V		57.8	9.3	67.1	33.0	18.0
230 V		55.8	8.8	64.6	159.0	26.5



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Model		PJA15F-5	Temperature25°C																																	
Item		Hold-Up Time	Testing CircuitryFigure A																																	
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1.Graph			2.Values																																											
Input Volt. 115V Input Volt. 230V 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="2">Load Current [A]</th></tr><tr><th>Input Volt. 115[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>5.00</td><td>3.65</td><td>3.76</td></tr><tr><td>4.75</td><td>-</td><td>-</td></tr><tr><td>4.50</td><td>-</td><td>-</td></tr><tr><td>4.00</td><td>-</td><td>-</td></tr><tr><td>3.50</td><td>-</td><td>-</td></tr><tr><td>3.00</td><td>-</td><td>-</td></tr><tr><td>2.50</td><td>-</td><td>-</td></tr><tr><td>2.00</td><td>-</td><td>-</td></tr><tr><td>1.50</td><td>-</td><td>-</td></tr><tr><td>1.00</td><td>-</td><td>-</td></tr><tr><td>0.50</td><td>-</td><td>-</td></tr><tr><td>0.00</td><td>-</td><td>-</td></tr></table>			Output Voltage [V]	Load Current [A]		Input Volt. 115[V]	Input Volt. 230[V]	5.00	3.65	3.76	4.75	-	-	4.50	-	-	4.00	-	-	3.50	-	-	3.00	-	-	2.50	-	-	2.00	-	-	1.50	-	-	1.00	-	-	0.50	-	-	0.00	-	-
Output Voltage [V]	Load Current [A]																																													
	Input Volt. 115[V]	Input Volt. 230[V]																																												
5.00	3.65	3.76																																												
4.75	-	-																																												
4.50	-	-																																												
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1.00	-	-																																												
0.50	-	-																																												
0.00	-	-																																												



Model	PJA15F-5		
Item	Ambient Temperature Drift	Testing Circuitry Figure A	
Object	+5V3A		
1.Values		Load 100%	
Ambient Temperature[°C]	Output Voltage [V]		
	Input Volt. 100V	Input Volt. 115V	Input Volt. 230V
-10	5.051	5.050	5.052
25	5.064	5.064	5.065
50	5.068	5.068	5.069
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%	
-10	32	69	
25	32	68	
50	32	68	
Item	Overvoltage Protection	Testing Circuitry Figure A	
Object	+5V3A		
1.Values		Load 0%	
Ambient Temperature[°C]	Operating Point [V]		
	Input Volt. 115V	Input Volt. 230V	
-20	6.28	6.28	
25	6.28	6.28	
50	6.28	6.28	

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BC-12233

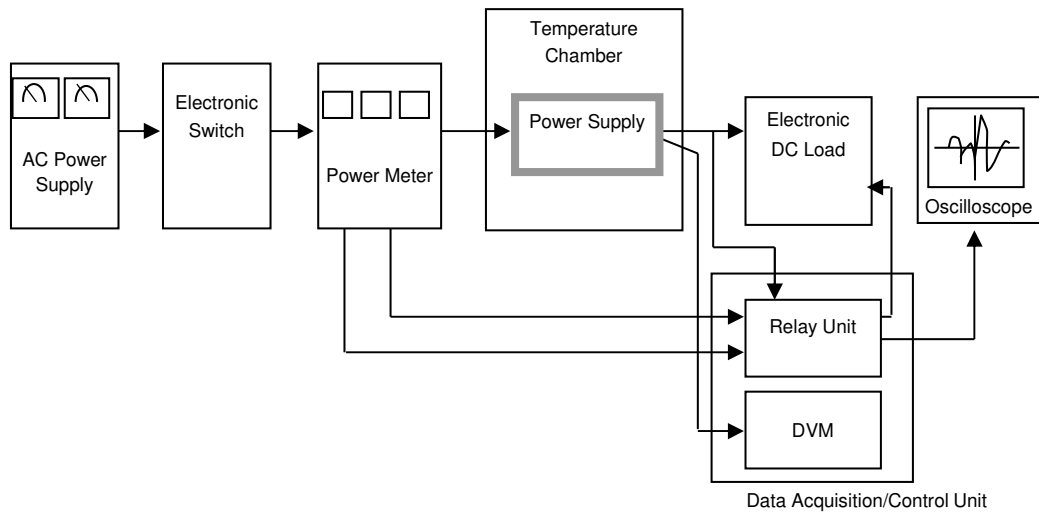


Figure A

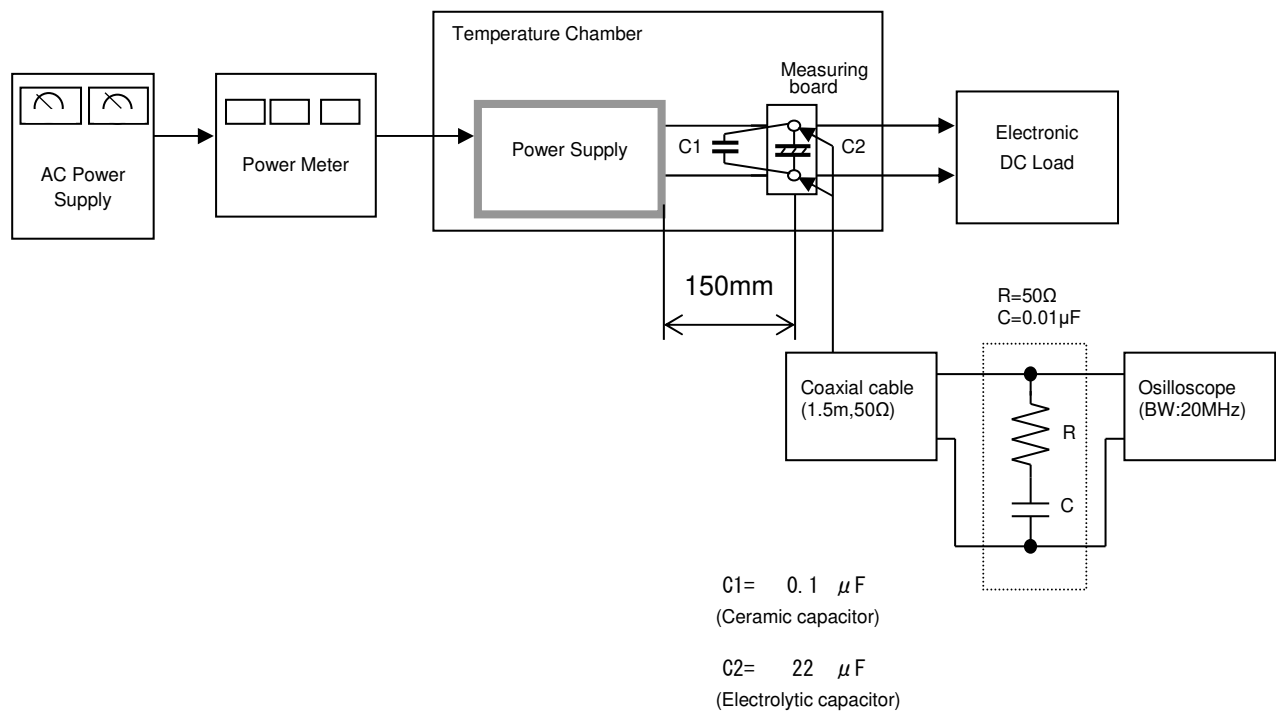


Figure B

