



TEST DATA OF YS1005A  
(100V INPUT)

Regulated DC Power Supply

Date : Apr.10. 1999

Approved by :           M. Takashima            
Design Manager

Prepared by :           Y. Shimizu            
Design Engineer

コーセル株式会社

COSEL CO., LTD.

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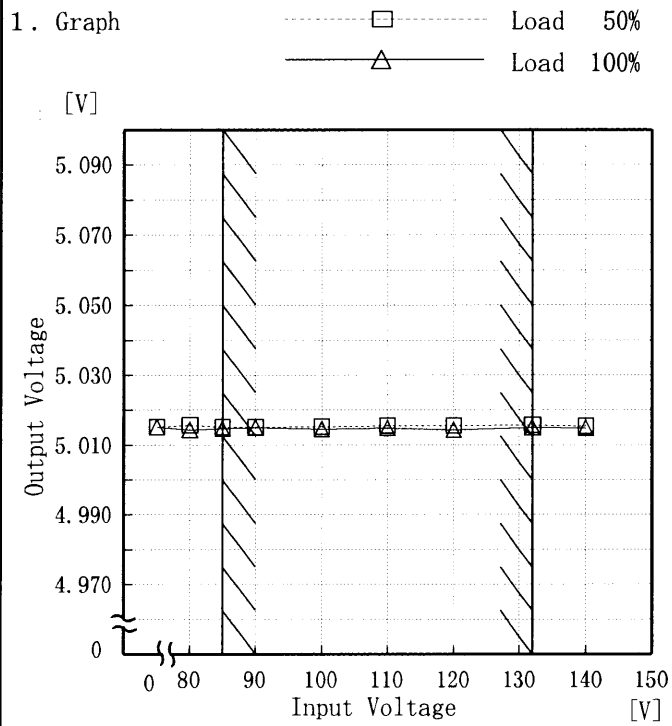
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(Final Page 28 )

# COSEL

Model	YS1005A
Item	Line Regulation 静的入力変動
Object	+5.0V2.00A

Temperature 25°C  
Testing Circuitry Figure A



2. Values

Input Voltage [V]	Load 50%	Load 100%
	Output Volt. [V]	Output Volt. [V]
75	5.015	5.015
80	5.016	5.014
85	5.015	5.015
90	5.015	5.015
100	5.015	5.015
110	5.015	5.015
120	5.016	5.014
132	5.016	5.015
140	5.015	5.015

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

(注)斜線は定格入力電圧範囲を示す。



Model		YS1005A		Temperature		25°C																																																								
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<p> <span style="border-bottom: 1px solid black; display: inline-block; width: 1em; margin-right: 0.5em;"></span> △ ——— Input Volt. 85V  <span style="border-bottom: 1px dashed black; display: inline-block; width: 1em; margin-right: 0.5em;"></span> □ - - - - - Input Volt. 100V  <span style="border-bottom: 1px dotted black; display: inline-block; width: 1em; margin-right: 0.5em;"></span> ○ ····· Input Volt. 132V                 </p>				<table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="3">Input Current [A]</th> </tr> <tr> <th>Input Volt. 85[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 132[V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>0.033</td><td>0.035</td><td>0.038</td></tr> <tr><td>0.4</td><td>0.090</td><td>0.086</td><td>0.084</td></tr> <tr><td>0.8</td><td>0.137</td><td>0.128</td><td>0.116</td></tr> <tr><td>1.2</td><td>0.182</td><td>0.167</td><td>0.148</td></tr> <tr><td>1.6</td><td>0.227</td><td>0.206</td><td>0.179</td></tr> <tr><td>2.0</td><td>0.276</td><td>0.245</td><td>0.209</td></tr> <tr><td>2.2</td><td>0.303</td><td>0.266</td><td>0.225</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> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>				Load Current [A]	Input Current [A]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.0	0.033	0.035	0.038	0.4	0.090	0.086	0.084	0.8	0.137	0.128	0.116	1.2	0.182	0.167	0.148	1.6	0.227	0.206	0.179	2.0	0.276	0.245	0.209	2.2	0.303	0.266	0.225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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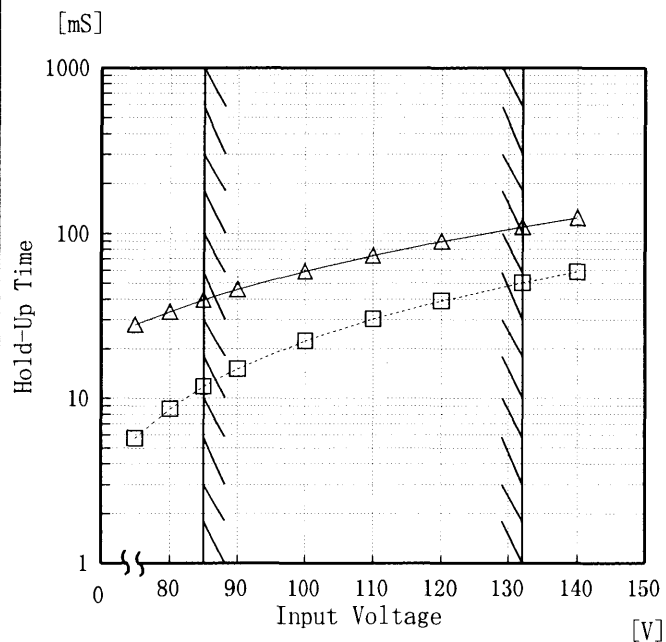


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Item	Hold-Up Time 出力保持時間	Testing Circuitry	Figure A
Object	+5.0V2.00A		

1. Graph —△— Load 50%  
- -□- - Load 100%



This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.

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

出力保持時間とは、入力電圧断から出力電圧が、定電圧精度の規格範囲を保持しているところまでの時間。

(注)斜線は定格入力電圧範囲を示す。

2. Values

Input Voltage [V]	Load 50%	Load 100%
	Hold-Up Time [mS]	Hold-Up Time [mS]
75	28	6
80	34	9
85	40	12
90	46	15
100	59	22
110	74	30
120	89	39
132	110	50
140	124	59



Model		YS1005A		Temperature		25°C																																																				
Item		Instantaneous Interruption Compensation 瞬時停電保障		Testing Circuitry		Figure A																																																				
Object		+5.0V2.00A																																																								
1. Graph				2. Values																																																						
<p> <span style="display: inline-block; width: 1em; border-bottom: 1px solid black; margin-right: 0.5em;"></span>△—— Input Volt. 85 V  <span style="display: inline-block; width: 1em; border-bottom: 1px dashed black; margin-right: 0.5em;"></span>□----- Input Volt. 100 V  <span style="display: inline-block; width: 1em; border-bottom: 1px dotted black; margin-right: 0.5em;"></span>○····· Input Volt. 132 V                 </p>				<table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th>Input Volt. 85[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 132[V]</th> </tr> <tr> <th colspan="3">Time [mS]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>0.4</td><td>102</td><td>141</td><td>233</td></tr> <tr><td>0.8</td><td>51</td><td>74</td><td>134</td></tr> <tr><td>1.2</td><td>27</td><td>47</td><td>88</td></tr> <tr><td>1.6</td><td>16</td><td>31</td><td>66</td></tr> <tr><td>2.0</td><td>10</td><td>18</td><td>48</td></tr> <tr><td>2.2</td><td>7</td><td>16</td><td>42</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>				Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	Time [mS]			0.0	—	—	—	0.4	102	141	233	0.8	51	74	134	1.2	27	47	88	1.6	16	31	66	2.0	10	18	48	2.2	7	16	42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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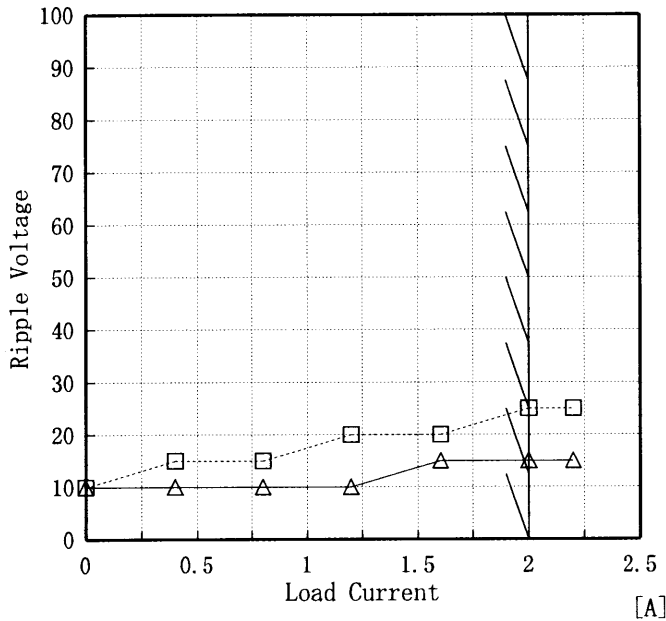


<p>Model YS1005A</p>		<p>Temperature 25°C</p>																																																
<p>Item Load Regulation 静的負荷変動</p>		<p>Testing Circuitry Figure A</p>																																																
<p>Object +5.0V2.00A</p>		<p>2. Values</p>																																																
<p>1. Graph</p> <p>                     —△— Input Volt. 85V                      - - -□- - - Input Volt. 100V                      - - -○- - - Input Volt. 132V                 </p> <p>Note: Slanted line shows the range of the rated load current.</p> <p>(注)斜線は定格負荷電流範囲を示す。</p>		<table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th>Input Volt. 85[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 132[V]</th> </tr> <tr> <th>Output Volt. [V]</th> <th>Output Volt. [V]</th> <th>Output Volt. [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>5.017</td><td>5.017</td><td>5.017</td></tr> <tr><td>0.4</td><td>5.016</td><td>5.016</td><td>5.016</td></tr> <tr><td>0.8</td><td>5.016</td><td>5.016</td><td>5.016</td></tr> <tr><td>1.2</td><td>5.015</td><td>5.015</td><td>5.016</td></tr> <tr><td>1.6</td><td>5.015</td><td>5.015</td><td>5.015</td></tr> <tr><td>2.0</td><td>5.015</td><td>5.015</td><td>5.015</td></tr> <tr><td>2.2</td><td>5.014</td><td>5.015</td><td>5.014</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>		Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]	0.0	5.017	5.017	5.017	0.4	5.016	5.016	5.016	0.8	5.016	5.016	5.016	1.2	5.015	5.015	5.016	1.6	5.015	5.015	5.015	2.0	5.015	5.015	5.015	2.2	5.014	5.015	5.014	—	—	—	—	—	—	—	—	—	—	—	—
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Model	YS1005A	Temperature	25°C
Item	Ripple Voltage (by Load Current) リップル電圧(負荷電流特性)	Testing Circuitry	Figure A
Object	+5.0V2.00A		

1. Graph  
 [mV]  
 -----□----- Input Volt. 85V  
 -----△----- Input Volt. 132V



2. Values

Load Current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
0.0	10	10
0.4	15	10
0.8	15	10
1.2	20	10
1.6	20	15
2.0	25	15
2.2	25	15
—	—	—
—	—	—
—	—	—
—	—	—

Ripple Voltage is shown as p-p in the figure below.

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

リップル電圧は、下図 p-p 値で示される。  
 (注)斜線は定格負荷電流範囲を示す。

T1: Due to AC Input Line  
 入力商用周期  
 T2: Due to Switching  
 スイッチング周期

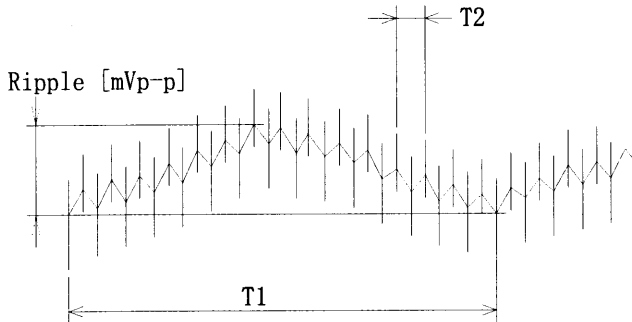


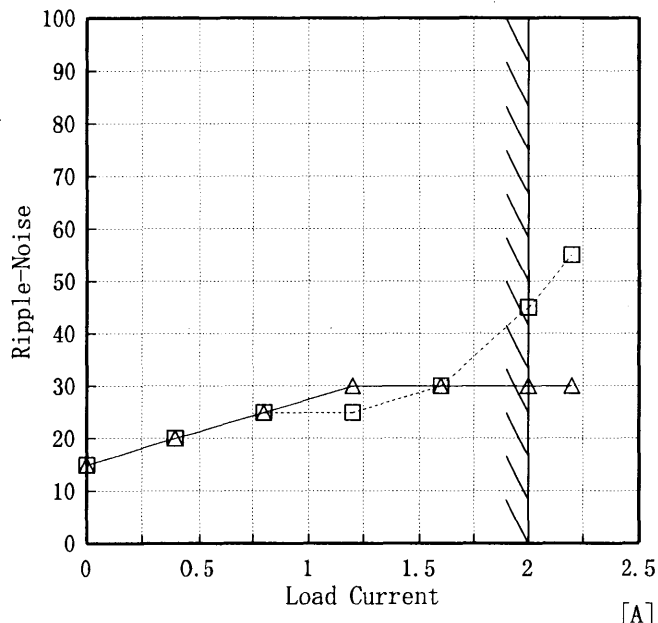
Fig. Complex Ripple Wave Form  
 図 リップル波形詳細図



Model	YS1005A	Temperature	25°C
Item	Ripple-Noise リップルノイズ	Testing Circuitry	Figure A

Object +5.0V2.00A

1. Graph  
 [mV]  
 -----□----- Input Volt. 85V  
 -----△----- Input Volt. 132V



Ripple-Noise is shown as p-p in the figure below.  
 Note: Slanted line shows the range of the rated load current.

リップルノイズは、下図 p-p 値で示される。  
 (注)斜線は定格負荷電流範囲を示す。

T1: Due to AC Input Line  
 入力商用周期  
 T2: Due to Switching  
 スイッチング周期

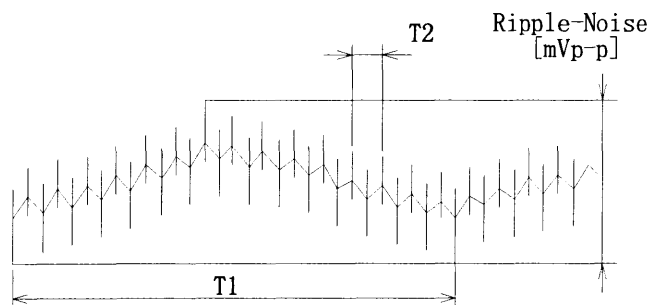


Fig. Complex Ripple Wave Form  
 図 リップル波形詳細図

2. Values

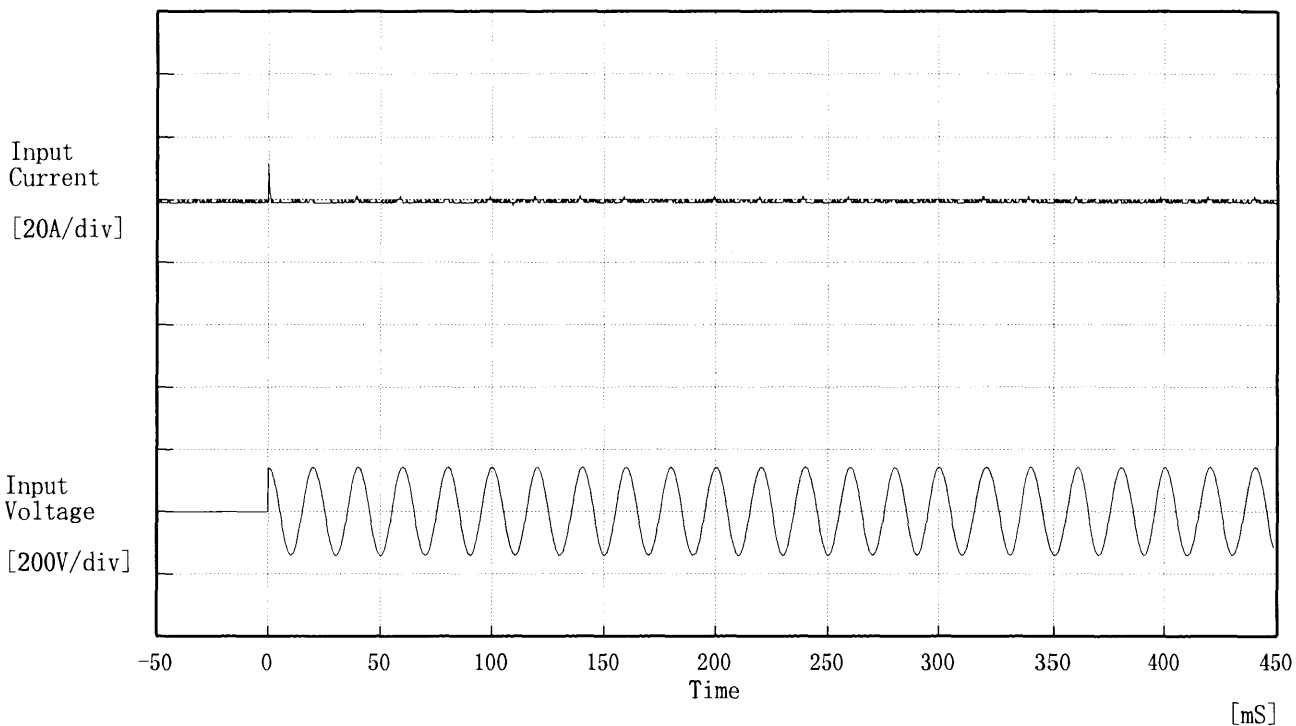
Load current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple-Noise [mV]	Ripple-Noise [mV]
0.0	15	15
0.4	20	20
0.8	25	25
1.2	25	30
1.6	30	30
2.0	45	30
2.2	55	30
—	—	—
—	—	—
—	—	—
—	—	—



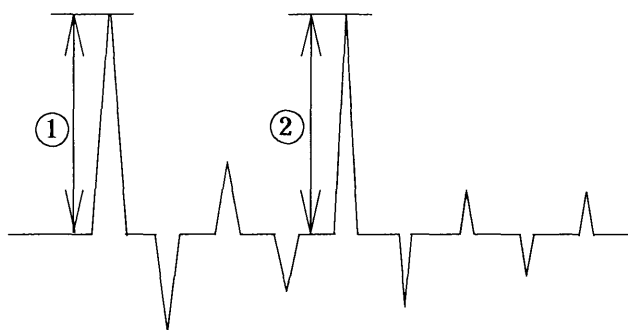
Model		YS1005A		Temperature 25°C																																																					
Item		Overcurrent Protection 過電流保護		Testing Circuitry Figure A																																																					
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<p>[V]</p> <p>Output Voltage</p> <p>Load Current [A]</p>		<table border="1"> <thead> <tr> <th>Output Voltage [V]</th> <th>Input Volt. 85[V] Load Current [A]</th> <th>Input Volt. 100[V] Load Current [A]</th> <th>Input Volt. 132[V] Load Current [A]</th> </tr> </thead> <tbody> <tr><td>5.00</td><td>2.51</td><td>2.74</td><td>2.69</td></tr> <tr><td>4.75</td><td>2.52</td><td>2.70</td><td>2.65</td></tr> <tr><td>4.50</td><td>2.49</td><td>2.65</td><td>2.59</td></tr> <tr><td>4.00</td><td>2.42</td><td>2.56</td><td>2.48</td></tr> <tr><td>3.50</td><td>2.31</td><td>2.42</td><td>2.34</td></tr> <tr><td>3.00</td><td>2.15</td><td>2.26</td><td>2.20</td></tr> <tr><td>2.50</td><td>1.97</td><td>2.08</td><td>2.04</td></tr> <tr><td>2.00</td><td>1.77</td><td>1.87</td><td>1.86</td></tr> <tr><td>1.50</td><td>1.55</td><td>1.66</td><td>1.66</td></tr> <tr><td>1.00</td><td>1.28</td><td>1.39</td><td>1.42</td></tr> <tr><td>0.50</td><td>1.05</td><td>1.15</td><td>1.22</td></tr> <tr><td>0.00</td><td>0.83</td><td>0.90</td><td>1.21</td></tr> </tbody> </table>		Output Voltage [V]	Input Volt. 85[V] Load Current [A]	Input Volt. 100[V] Load Current [A]	Input Volt. 132[V] Load Current [A]	5.00	2.51	2.74	2.69	4.75	2.52	2.70	2.65	4.50	2.49	2.65	2.59	4.00	2.42	2.56	2.48	3.50	2.31	2.42	2.34	3.00	2.15	2.26	2.20	2.50	1.97	2.08	2.04	2.00	1.77	1.87	1.86	1.50	1.55	1.66	1.66	1.00	1.28	1.39	1.42	0.50	1.05	1.15	1.22	0.00	0.83	0.90	1.21		
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# COSEL

Model	YS1005A	Temperature	25°C
Item	Inrush Current 突入電流	Testing Circuitry	Figure A
Object	_____		



Input Voltage 100 V  
 Frequency 50 Hz  
 Load 100 %  
 Inrush Current  
 ① 11.31 [A]  
 ② 1.10 [A]



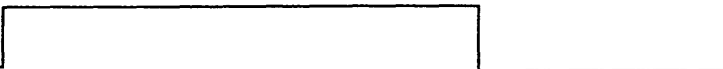


# COSEL

Model	YS1005A	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+5.0V2.00A	

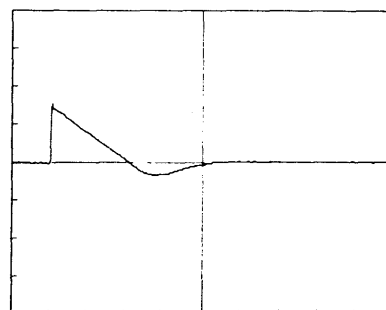
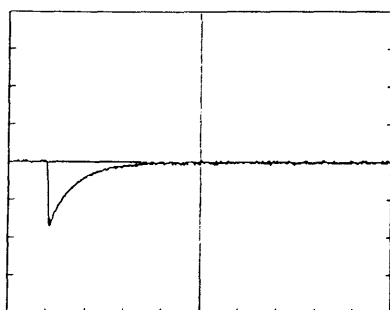
Input Volt. 100 V  
Cycle 200 mS

Load Current



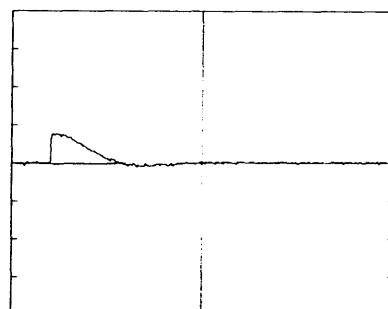
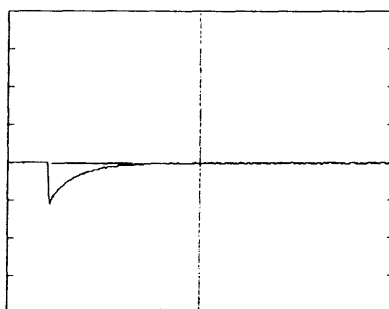
Load 0% ↔

Load 100 %



Load 0% ↔

Load 50 %



200 mV/div

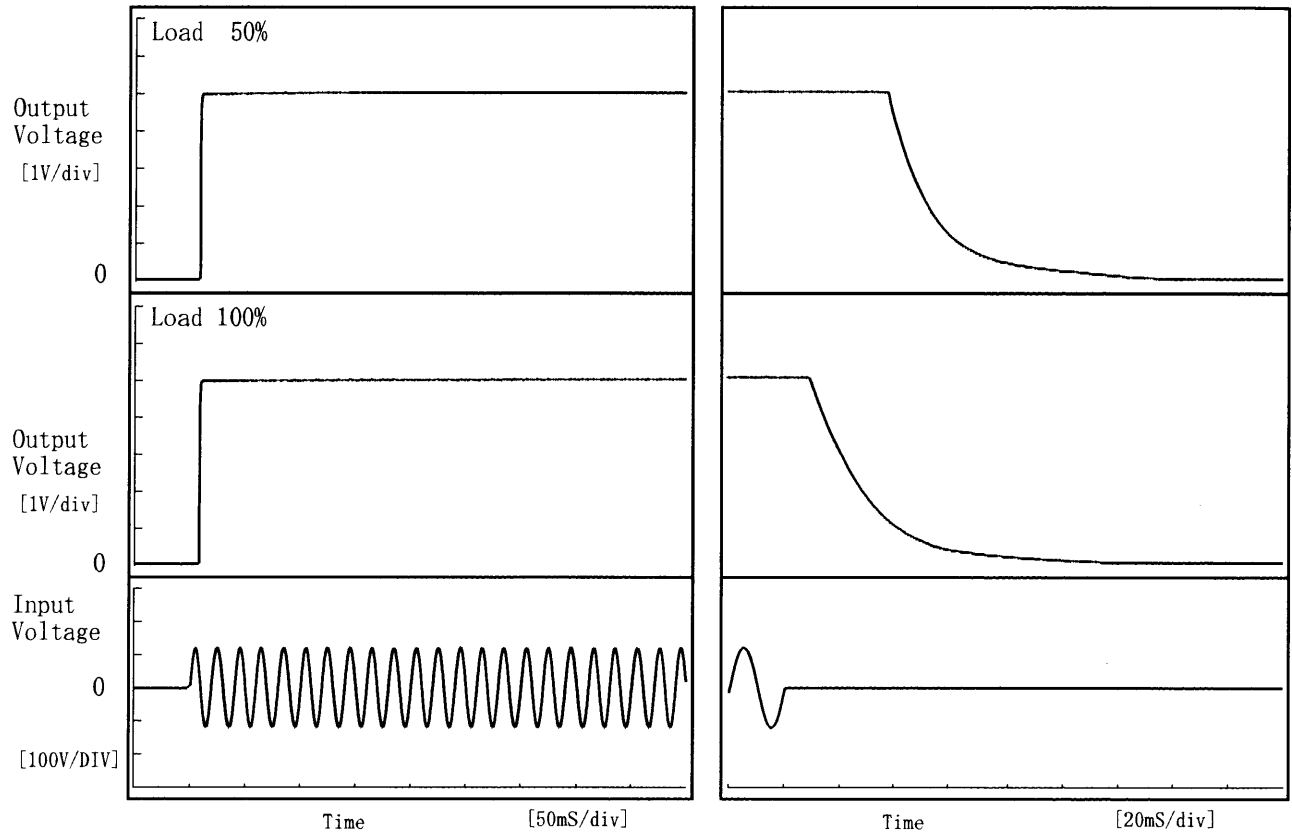
0.5 mS/div



Model		YS1005A	Temperature		25°C
Item		Rise and Fall Time 立上り、立下り時間	Testing Circuitry		Figure A
Object		+5.0V2.00A			

1. Graph

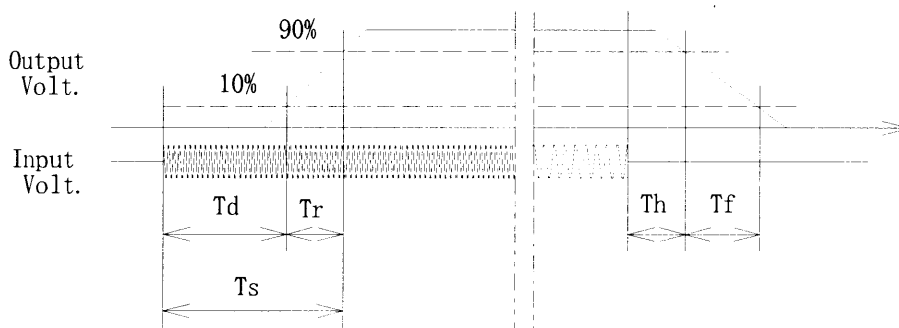
Input Volt. 85 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	8.5	0.8	9.3	39.9	37.4
100 %	8.5	1.0	9.5	12.2	42.6





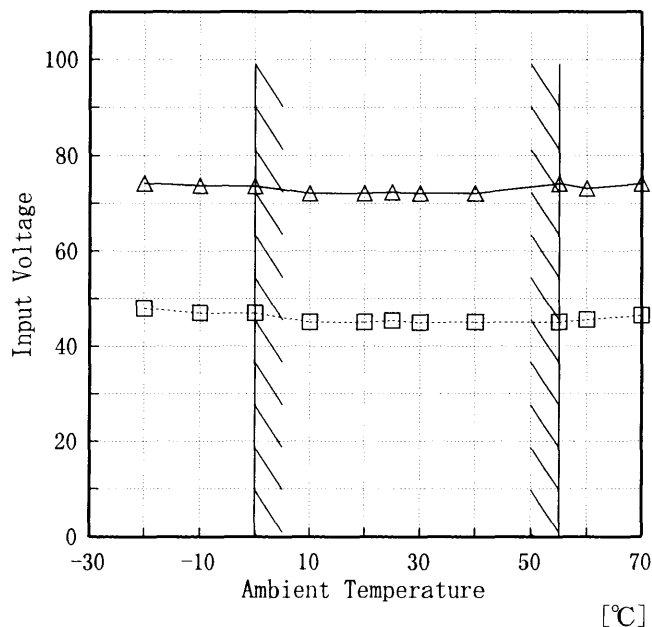
Model		YS1005A		Testing Circuitry Figure A																																																				
Item		Ambient Temperature Drift 周囲温度変動																																																						
Object		+5.0V2.00A																																																						
1. Graph		<p> <input type="checkbox"/> —△— Input Volt. 85V  <input type="checkbox"/> - - - □ - - - Input Volt. 100V  <input type="checkbox"/> - - - ○ - - - Input Volt. 132V                 </p>		2. Values																																																				
<p>[V]</p> <p>Output Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 100%</p>		<table border="1"> <thead> <tr> <th rowspan="2">Temperature [°C]</th> <th>Input Volt. 85[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 132[V]</th> </tr> <tr> <th>Output Volt. [V]</th> <th>Output Volt. [V]</th> <th>Output Volt. [V]</th> </tr> </thead> <tbody> <tr><td>-20</td><td>5.013</td><td>5.014</td><td>5.014</td></tr> <tr><td>-10</td><td>5.014</td><td>5.014</td><td>5.014</td></tr> <tr><td>0</td><td>5.014</td><td>5.014</td><td>5.014</td></tr> <tr><td>10</td><td>5.013</td><td>5.013</td><td>5.013</td></tr> <tr><td>20</td><td>5.013</td><td>5.014</td><td>5.014</td></tr> <tr><td>25</td><td>5.014</td><td>5.014</td><td>5.014</td></tr> <tr><td>30</td><td>5.014</td><td>5.014</td><td>5.015</td></tr> <tr><td>40</td><td>5.014</td><td>5.014</td><td>5.014</td></tr> <tr><td>55</td><td>5.011</td><td>5.011</td><td>5.010</td></tr> <tr><td>60</td><td>5.009</td><td>5.009</td><td>5.009</td></tr> <tr><td>70</td><td>5.005</td><td>5.005</td><td>5.005</td></tr> </tbody> </table>		Temperature [°C]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]	-20	5.013	5.014	5.014	-10	5.014	5.014	5.014	0	5.014	5.014	5.014	10	5.013	5.013	5.013	20	5.013	5.014	5.014	25	5.014	5.014	5.014	30	5.014	5.014	5.015	40	5.014	5.014	5.014	55	5.011	5.011	5.010	60	5.009	5.009	5.009	70	5.005	5.005	5.005		
Temperature [°C]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																					
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<p>Note: Slanted line shows the range of the rated ambient temperature.</p> <p>(注)斜線は定格周囲温度範囲を示す。</p>																																																								



Model	YS1005A
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+5.0V2.00A

Testing Circuitry Figure A

1. Graph  
 [V]  
 □ Load 50%  
 △ Load 100%



Note: Slanted line shows the range of the rated ambient temperature.

(注)斜線は定格周囲温度範囲を示す。

2. Values

Ambient Temp. [°C]	Load 50%	Load 100%
	Input Volt. [V]	Input Volt. [V]
-20	48	74
-10	47	74
0	47	74
10	45	72
20	45	72
25	45	72
30	45	72
40	45	72
55	45	74
60	46	73
70	47	74



Model		YS1005A	Testing Circuitry Figure A																																				
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)																																					
Object		+5.0V2.00A																																					
1. Graph		<div style="display: flex; justify-content: space-around;"> <span>□ Load 50%</span> <span>△ Load 100%</span> </div> <p style="text-align: center;">Input Volt. 100 V</p> <p>Note: Slanted line shows the range of the rated ambient temperature.</p> <p>(注) 斜線は定格周囲温度範囲を示す。</p>																																					
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<b>COSEL</b>																								
Model	YS1005A																							
Item	Time Lapse Drift 経時ドリフト	Temperature 25 °C Testing Circuitry Figure A																						
Object	+5.0V2.00A																							
<p>1. Graph</p> <p>[V]</p> <p>Output Voltage [V]</p> <p>Time [H]</p> <p>Input Volt. 100V Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>5.014</td></tr> <tr><td>0.5</td><td>5.014</td></tr> <tr><td>1.0</td><td>5.014</td></tr> <tr><td>2.0</td><td>5.014</td></tr> <tr><td>3.0</td><td>5.014</td></tr> <tr><td>4.0</td><td>5.014</td></tr> <tr><td>5.0</td><td>5.014</td></tr> <tr><td>6.0</td><td>5.014</td></tr> <tr><td>7.0</td><td>5.014</td></tr> <tr><td>8.0</td><td>5.014</td></tr> </tbody> </table>	Time since start [H]	Output Voltage [V]	0.0	5.014	0.5	5.014	1.0	5.014	2.0	5.014	3.0	5.014	4.0	5.014	5.0	5.014	6.0	5.014	7.0	5.014	8.0	5.014
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Model		YS1005A	Testing Circuitry Figure A
Item		Output Voltage Accuracy 定電圧精度	
Object		+5.0V2.00A	

Output Voltage Accuracy

This is defined as the value of the output voltage, regulation load, ambient temperature and input voltage varied at random in the range as specified below.

Temperature : 0~55 °C

Input Voltage : 85~132 V

Load Current : 0.00~2.00 A

\* Output Voltage Accuracy =  $\pm(\text{Maximum of Output Voltage} - \text{Minimum of Output Voltage}) / 2$

$$* \text{ Output Voltage Accuracy (Ration) } = \frac{\text{Voltage Accuracy}}{\text{Rated Output Voltage}} \times 100$$

定電圧精度

周囲温度、入力電圧、負荷を下記仕様内で、任意に変動させたときの出力電圧の変動をいう。

周囲温度 0~55 °C

入力電圧 85~132 V

負荷電流 0.00~2.00 A

\* 定電圧精度(変動値) =  $\pm(\text{出力電圧の最高値} - \text{出力電圧の最低値}) / 2$

$$* \text{ 定電圧精度(変動率) } = \frac{\text{変動値}}{\text{定格出力電圧}} \times 100$$

Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy(Ration) [%]
Maximum Voltage	25	100	0.00	5.018	±4	±0.1
Minimum Voltage	55	85	2.00	5.010		



Model		YS1005A		Temperature		25°C																																																				
Item		Oscillator Frequency 発振周波数		Testing Circuitry		Figure A																																																				
Object		+5.0V2.00A																																																								
<p>1. Graph</p> <p>—△— Input Volt. 85 V          - - -□- - - Input Volt. 100 V          - - -○- - - Input Volt. 132 V</p> <p>10000 [KHz] 1000 100</p> <p>Oscillator Frequency</p> <p>0 0.5 1 1.5 2 2.5 Load Current [A]</p> <p>Note: Slanted line shows the range of the rated load current.</p> <p>(注)斜線は定格負荷電流範囲を示す。</p>				<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th>Input Volt. 85[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 132[V]</th> </tr> <tr> <th colspan="3">Oscillator Frequency [KHz]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>995</td><td>1000</td><td>1005</td></tr> <tr><td>0.4</td><td>606</td><td>651</td><td>714</td></tr> <tr><td>0.8</td><td>429</td><td>466</td><td>520</td></tr> <tr><td>1.2</td><td>328</td><td>363</td><td>413</td></tr> <tr><td>1.6</td><td>269</td><td>295</td><td>339</td></tr> <tr><td>2.0</td><td>223</td><td>248</td><td>286</td></tr> <tr><td>2.2</td><td>206</td><td>232</td><td>266</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>				Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	Oscillator Frequency [KHz]			0.0	995	1000	1005	0.4	606	651	714	0.8	429	466	520	1.2	328	363	413	1.6	269	295	339	2.0	223	248	286	2.2	206	232	266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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<b>COSEL</b>														
Model	YS1005A													
Item	Condensation 結露特性	Testing Circuitry Figure A												
Object	+5.0V2.00A													
<p>1. Condensation test</p> <p>Testing procedure is as follows.</p> <p>① Keeping and cooling the unit in a tank at -10°C for an hour with the input off.</p> <p>② Taking it out of the tank and dewing itself in a room where the temperature is 25°C and the humidity is 40%RH.</p> <p>③ Testing electrical characteristics of the unit to confirm there be no fault.</p> <p>1. 結露特性試験</p> <p>入力を切った状態で、恒温槽で-10°Cに冷却しておき、約1時間後に恒温槽から取り出し、室温25°C、湿度40%RHの状態におき結露させ、その電気的特性の測定を行い、異常のないことを確認する。</p>														
<p>2. Values</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Item</th> <th style="width: 20%;">Data</th> <th style="width: 50%;">Testing Conditions</th> </tr> </thead> <tbody> <tr> <td>Output Voltage [V]</td> <td style="text-align: center;">5.015</td> <td>Input Volt.: 100V, Load Current:2.00A</td> </tr> <tr> <td>Line Regulation [mV]</td> <td style="text-align: center;">1</td> <td>Input Volt.: 85~132V, Load Current:2.00A</td> </tr> <tr> <td>Load Regulation [mV]</td> <td style="text-align: center;">2</td> <td>Input Volt.: 100V, Load Current:0~2.00A</td> </tr> </tbody> </table>			Item	Data	Testing Conditions	Output Voltage [V]	5.015	Input Volt.: 100V, Load Current:2.00A	Line Regulation [mV]	1	Input Volt.: 85~132V, Load Current:2.00A	Load Regulation [mV]	2	Input Volt.: 100V, Load Current:0~2.00A
Item	Data	Testing Conditions												
Output Voltage [V]	5.015	Input Volt.: 100V, Load Current:2.00A												
Line Regulation [mV]	1	Input Volt.: 85~132V, Load Current:2.00A												
Load Regulation [mV]	2	Input Volt.: 100V, Load Current:0~2.00A												



Model		YS1005A	Temperature	25°C
Item		Leakage Current 漏洩電流		
Object		_____		

1. Results

Standards	Leakage Current [mA]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
(A) DENTORI	0.15	0.18	0.24
(B) IEC60950	0.15	0.17	0.23

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 230 [V]	Input Volt. 264 [V]
(B) IEC60950	—	—	—

2. Condition

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

交流入力 of 両相について測定し、その大きい方を漏洩電流測定値とする。



Model		YS1005A	Temperature 25°C Testing Circuitry Figure C
Item	Line Noise Tolerance 入力雑音耐量		
Object	+5.0V2.00A		

1. Results

Pulse Width [n S]	MODE	No protection failure should occur 保護回路の誤動作がない	DC-like Regulation of Output Voltage 出力電圧の直流的変動
50	COMMON	OK	no fluctuation
	NORMAL	OK	no fluctuation
1000	COMMON	OK	no fluctuation
	NORMAL	OK	no fluctuation

Conditions

Input Voltage :100 V  
Pulse Voltage :2000 V  
Pulse Cycle :10 mS  
Pulse Input Duration:1 min. or more  
Load :100 %



Model		YS1005A	Testing Circuitry Figure D
Item		Conducted Emission 雑音端子電圧	
Object		_____	

1. Graph

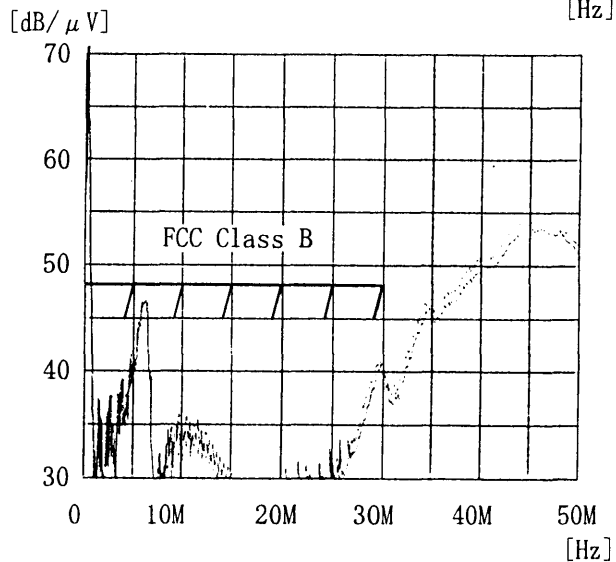
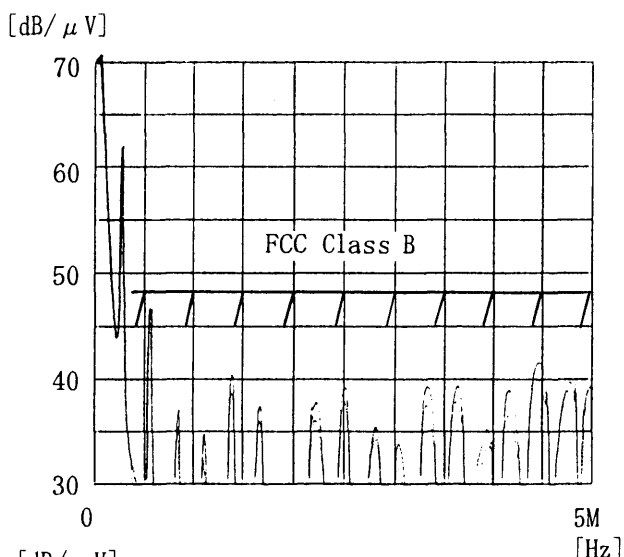
Remarks

Input Volt. 120 V  
Load 100 %

Note: Slanted line shows the range of Tolerance.

(注)斜線は許容値を示す。

NO	Standards	Standards Complied	Frequency [MHz]	Tolerance [dB/μV]
1	FCC class A		0.45~1.6	60
			1.6~30	69.5
2	FCC class B	○	0.45~30	48
3	VCCI class A		0.15~0.5	79
			0.5~30	73
4	VCCI class B		0.15~0.5	66-56
			0.5~5	56
			5~30	60
5	CISPR Pub. 22 class A (EN55022)		0.15~0.5	79
			0.5~30	73
			/	
6	CISPR Pub. 22 class B (EN55022)		0.15~0.5	66-56
			0.5~5	56
			5~30	60



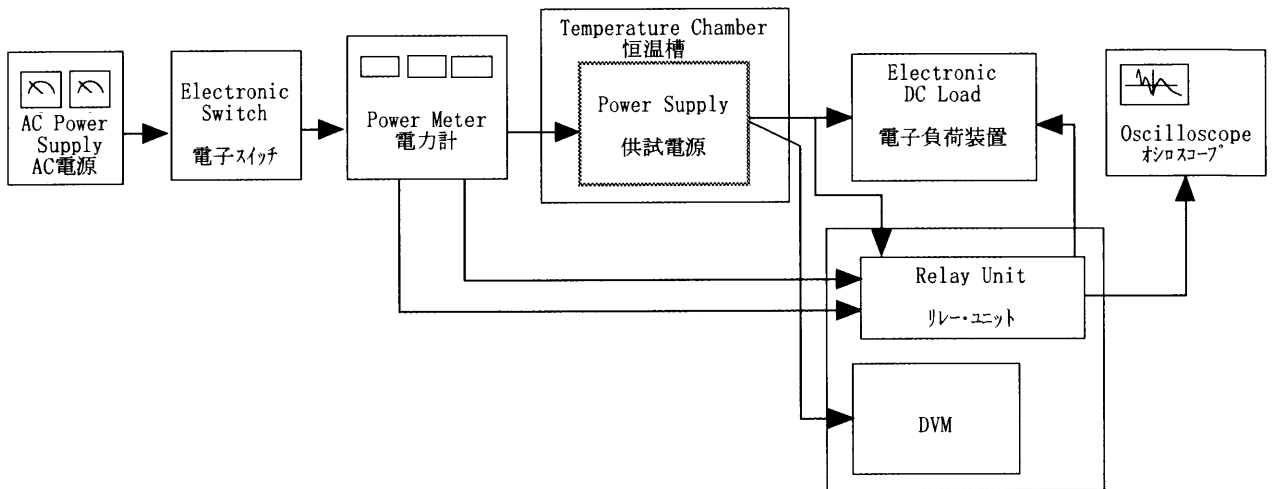


Figure A

Data Acquisition/Control Unit  
データ集録システム

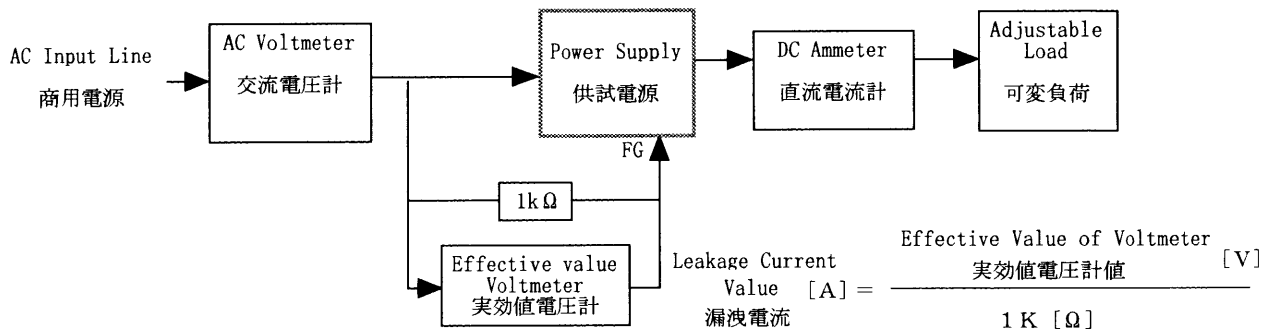


Figure B (DENTORI)

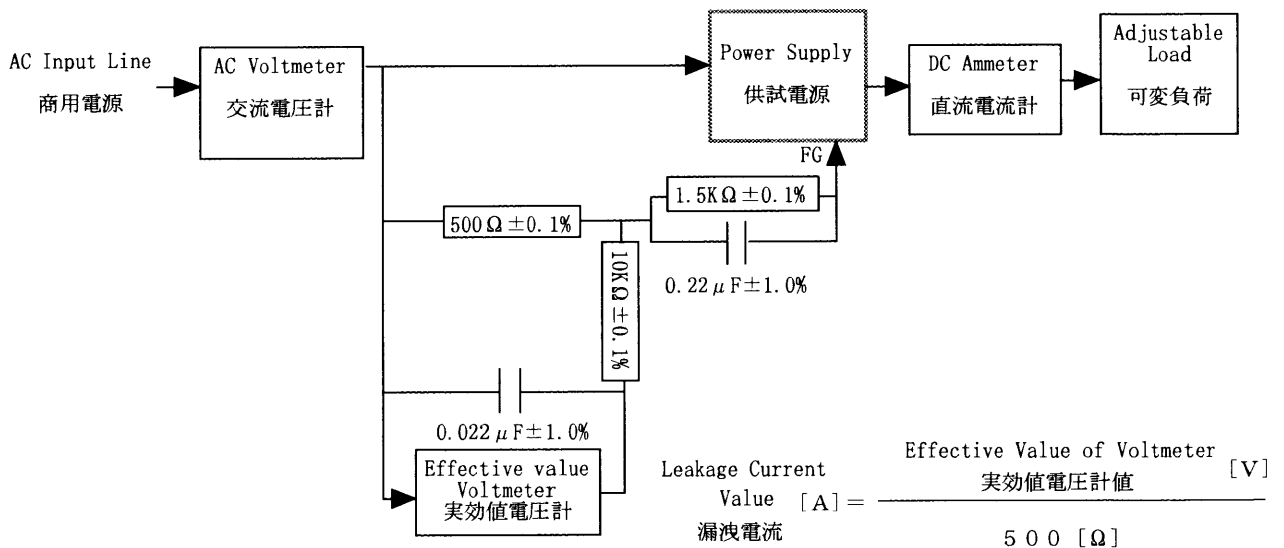


Figure B (IEC 60950)

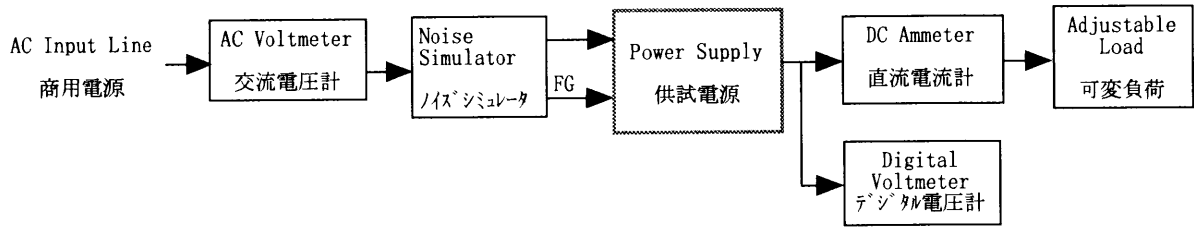


Figure C

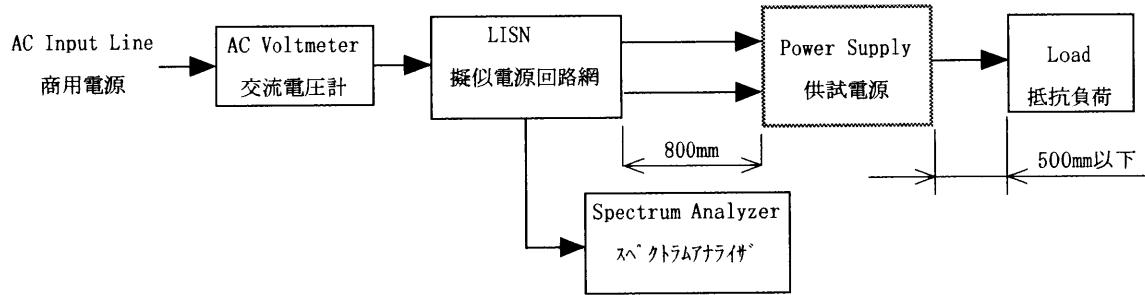


Figure D

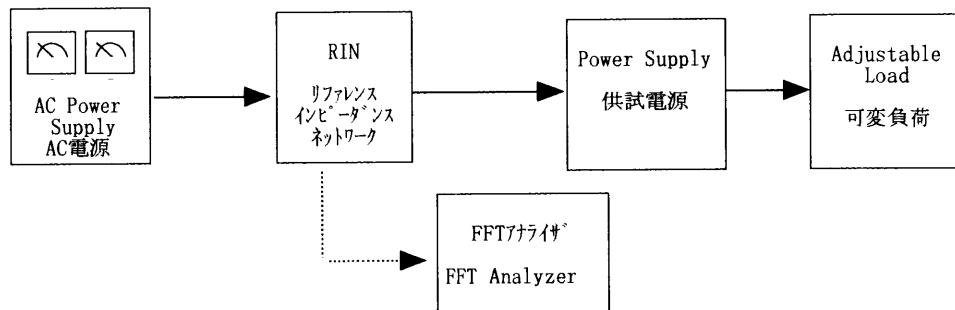


Figure E