

**COSEL**

TEST DATA OF R25A-5  
(100V INPUT)

Regulated DC Power Supply

Date : Nov. 4. 1998

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Design Manager

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Design Engineer

コーセル株式会社

**COSEL CO., LTD.**



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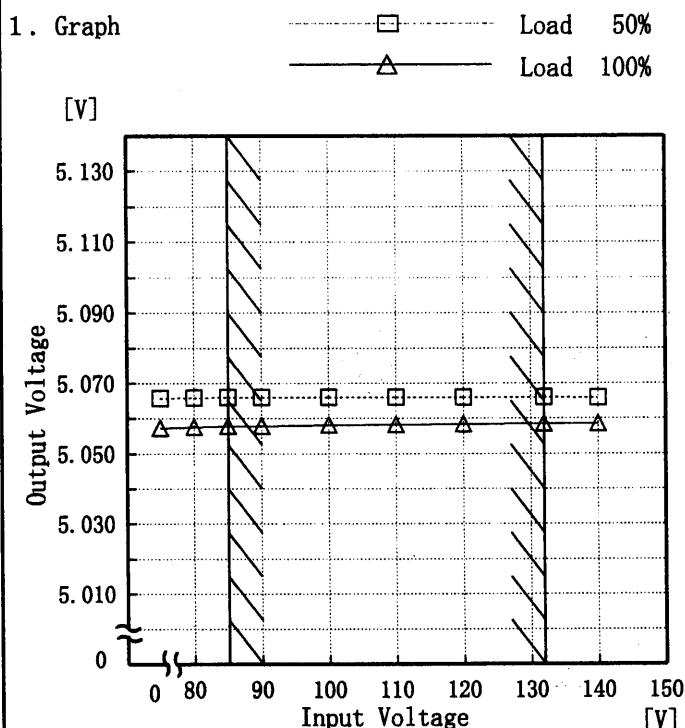
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Model	R25A-5
Item	Line Regulation 静的入力変動
Object	+5.0V 5.00A

Temperature 25°C  
Testing Circuitry Figure A



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。

**COSEL**

Model	R25A-5	Temperature	25°C																																																							
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<p>The graph plots Input Current [A] on the y-axis (0 to 1) against Load Current [A] on the x-axis (0 to 6). Three curves are shown for Input Volt. 85V (triangles), 100V (squares), and 132V (circles). All curves pass through the origin. A slanted line is drawn across the graph, intersecting the curves at approximately (4.5, 0.65) and (5.5, 0).</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>0.041</td><td>0.044</td><td>0.048</td></tr> <tr><td>0.8</td><td>0.145</td><td>0.137</td><td>0.129</td></tr> <tr><td>1.6</td><td>0.238</td><td>0.217</td><td>0.191</td></tr> <tr><td>2.4</td><td>0.333</td><td>0.299</td><td>0.255</td></tr> <tr><td>3.2</td><td>0.428</td><td>0.380</td><td>0.319</td></tr> <tr><td>4.0</td><td>0.528</td><td>0.466</td><td>0.384</td></tr> <tr><td>4.8</td><td>0.628</td><td>0.551</td><td>0.450</td></tr> <tr><td>5.0</td><td>0.655</td><td>0.574</td><td>0.468</td></tr> <tr><td>5.5</td><td>0.721</td><td>0.628</td><td>0.509</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	0.041	0.044	0.048	0.8	0.145	0.137	0.129	1.6	0.238	0.217	0.191	2.4	0.333	0.299	0.255	3.2	0.428	0.380	0.319	4.0	0.528	0.466	0.384	4.8	0.628	0.551	0.450	5.0	0.655	0.574	0.468	5.5	0.721	0.628	0.509	—	—	—	—	—	—	—	—	—	—	—	—
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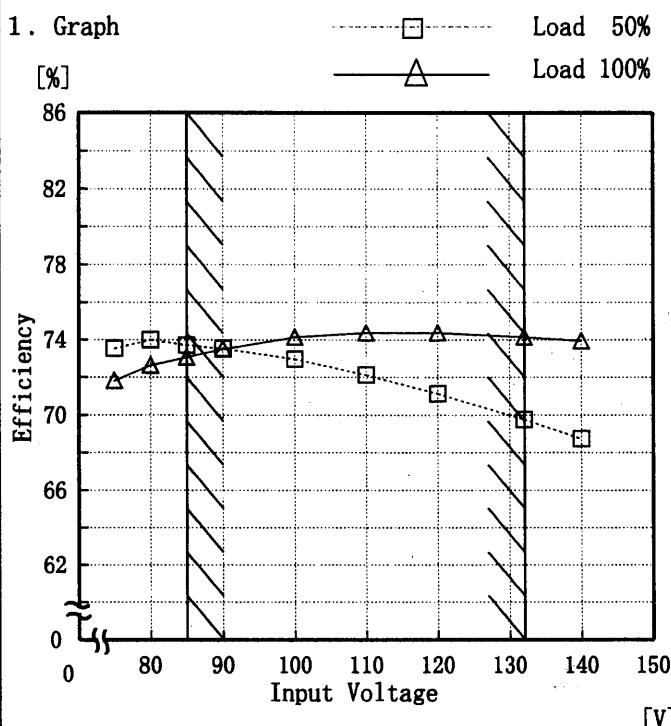
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**COSEL**

Model R25A-5

Item Efficiency (by Input Voltage)  
効率(入力電圧特性)

Object \_\_\_\_\_

Temperature 25°C  
Testing Circuitry Figure A

## 2. Values

Input Voltage [V]	Load 50%	Load 100%
	Efficiency [%]	Efficiency [%]
75	73.6	71.8
80	74.0	72.7
85	73.7	73.1
90	73.6	73.5
100	73.0	74.2
110	72.1	74.4
120	71.1	74.4
132	69.7	74.2
140	68.7	74.0

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

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Model	R25A-5	Temperature 25°C Testing Circuitry Figure A																																																									
Item	Efficiency (by Load Current) 効率(負荷電流特性)																																																										
Output	—																																																										
1. Graph	<p>The graph plots Efficiency [%] on the Y-axis (40 to 90) against Load Current [A] on the X-axis (0 to 6). Three data series are shown for different input voltages: 85V (triangles), 100V (squares), and 132V (circles). All three curves show efficiency increasing with load current until it reaches a plateau around 4-5A. A diagonal line from approximately (1.5, 60) to (5.5, 40) marks the rated load current range.</p> <table border="1"> <thead> <tr> <th>Load Current [A]</th> <th>Input Volt. 85V [%]</th> <th>Input Volt. 100V [%]</th> <th>Input Volt. 132V [%]</th> </tr> </thead> <tbody> <tr><td>0.8</td><td>62.4</td><td>58.9</td><td>50.7</td></tr> <tr><td>1.6</td><td>70.9</td><td>69.1</td><td>63.7</td></tr> <tr><td>2.4</td><td>73.5</td><td>72.7</td><td>69.3</td></tr> <tr><td>3.2</td><td>74.1</td><td>74.0</td><td>72.1</td></tr> <tr><td>4.0</td><td>73.9</td><td>74.3</td><td>73.3</td></tr> <tr><td>4.8</td><td>73.3</td><td>74.1</td><td>74.1</td></tr> <tr><td>5.0</td><td>73.1</td><td>74.0</td><td>74.0</td></tr> <tr><td>5.5</td><td>72.5</td><td>73.7</td><td>74.1</td></tr> </tbody> </table>			Load Current [A]	Input Volt. 85V [%]	Input Volt. 100V [%]	Input Volt. 132V [%]	0.8	62.4	58.9	50.7	1.6	70.9	69.1	63.7	2.4	73.5	72.7	69.3	3.2	74.1	74.0	72.1	4.0	73.9	74.3	73.3	4.8	73.3	74.1	74.1	5.0	73.1	74.0	74.0	5.5	72.5	73.7	74.1																				
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Note: Slanted line shows the range of the rated load current

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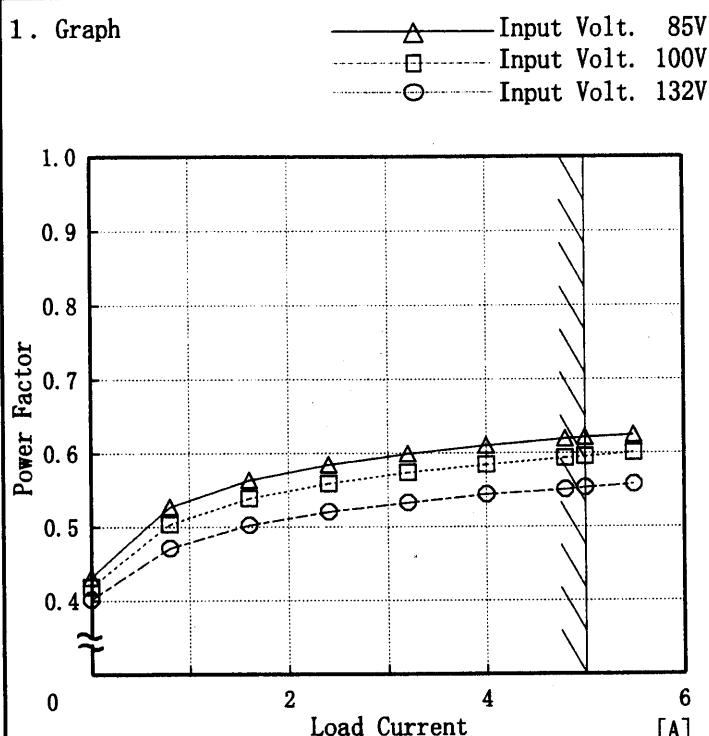
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Item	Power Factor (by Input Voltage) 力率(入力電圧特性)																																		
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Note: Slanted line shows the range of the rated input voltage.

(注)斜線は定格入力電圧範囲を示す。

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Model	R25A-5
Item	Power Factor (by Load Current) 力率(負荷電流特性)
Output	—



Temperature 25°C  
Testing Circuitry Figure A

## 2. Values

Load Current [A]	Power Factor		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.0	0.43	0.42	0.40
0.8	0.53	0.50	0.47
1.6	0.56	0.54	0.50
2.4	0.58	0.56	0.52
3.2	0.60	0.57	0.53
4.0	0.61	0.58	0.54
4.8	0.62	0.59	0.55
5.0	0.62	0.60	0.55
5.5	0.62	0.60	0.56
—	—	—	—
—	—	—	—
—	—	—	—

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

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**COSEL**

Model R25A-5

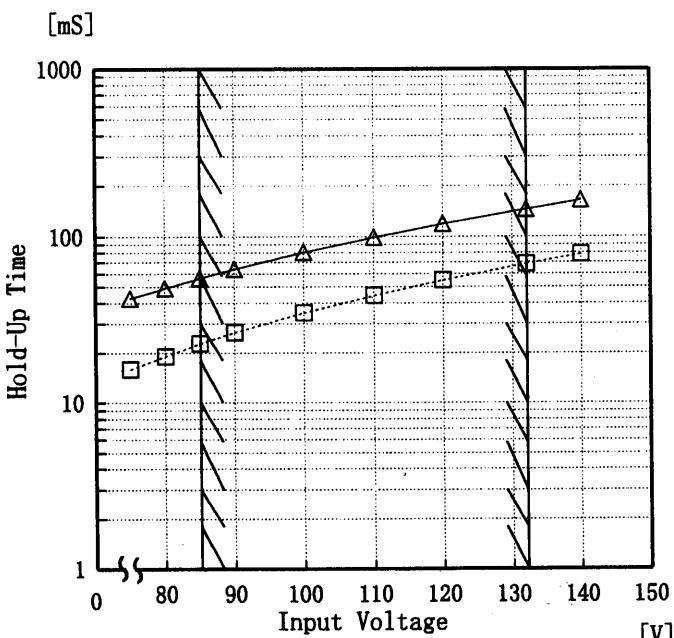
Item Hold-Up Time 出力保持時間

Object +5.0V 5.00A

Temperature 25°C  
Testing Circuitry Figure A

## 1. Graph

—△— Load 50%  
 - - - □ - Load 100%



## 2. Values

Input Voltage [V]	Load 50%	Load 100%
	Hold-Up Time [mS]	Hold-Up Time [mS]
75	42	16
80	49	19
85	56	23
90	64	27
100	81	35
110	99	44
120	119	55
132	146	69
140	165	79

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。

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Model

R25A-5

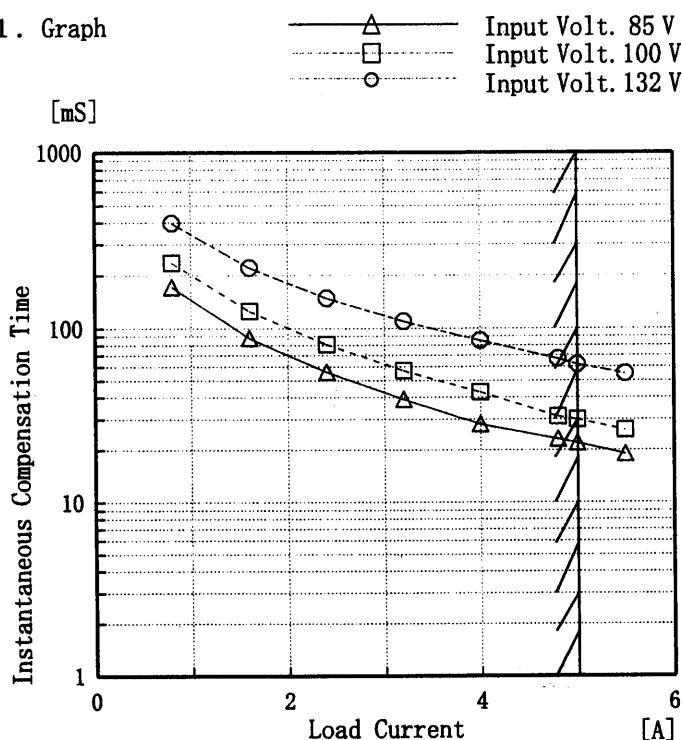
Item

Instantaneous Interruption Compensation  
瞬時停電保障

Object

+5.0V 5.00A

## 1. Graph



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 load current.

瞬時停電保障時間とは、出力電圧が定電圧精度の規格範囲を保持している瞬時停電時間をいう。

(注) 斜線は定格負荷電流範囲を示す。

## Testing Circuitry Figure A

## 2. Values

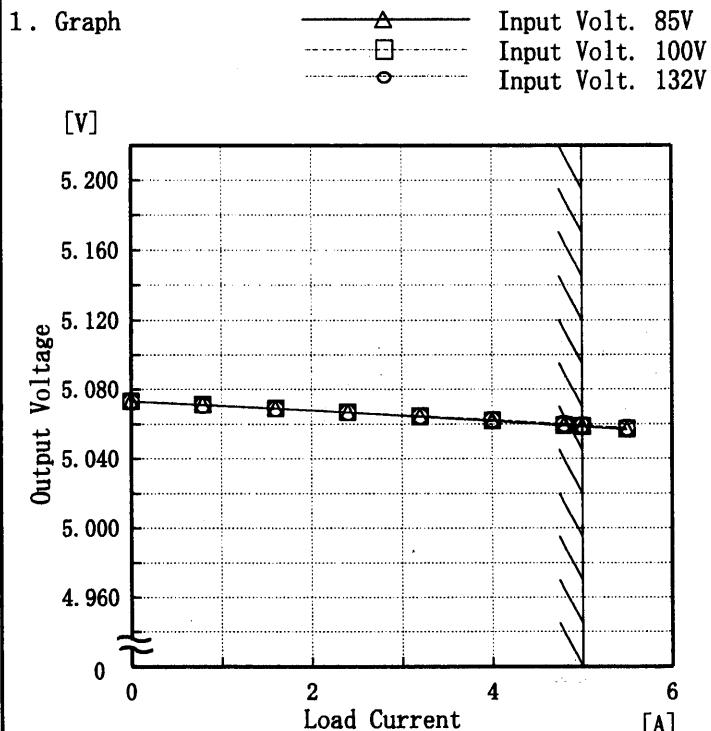
Load Current [A]	Input Volt.	Input Volt.	Input Volt.
	85[V]	100[V]	132[V]
Time [mS]			
0.0	—	—	—
0.8	172	237	398
1.6	88	125	222
2.4	56	81	149
3.2	39	57	110
4.0	28	43	85
4.8	23	31	67
5.0	22	30	62
5.5	19	26	55
—	—	—	—
—	—	—	—

**COSEL**

Model	R25A-5
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Item	Load Regulation 靜的負荷変動
------	------------------------

Object	+5.0V 5.00 A
--------	--------------



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

(注) 斜線は定格負荷電流範囲を示す。

Temperature 25°C  
Testing Circuitry Figure A

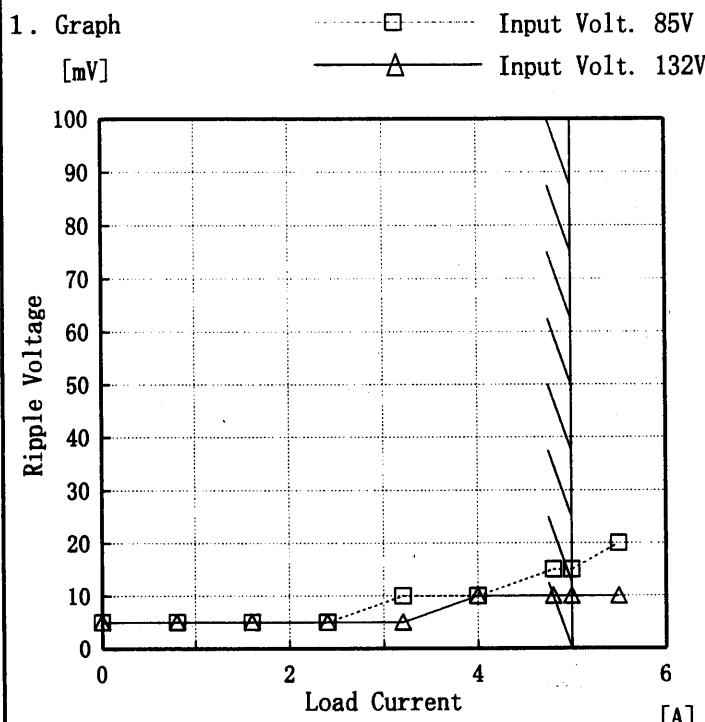
2. Values

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	5.073	5.073	5.073
0.8	5.071	5.071	5.071
1.6	5.069	5.069	5.069
2.4	5.067	5.067	5.067
3.2	5.064	5.065	5.065
4.0	5.062	5.062	5.062
4.8	5.059	5.059	5.060
5.0	5.059	5.059	5.059
5.5	5.057	5.057	5.058
—	—	—	—

**COSSEL**

Model	R25A-5
Item	Ripple Voltage(by Load Current) リップル電圧(負荷電流特性)
Object	+5.0V 5.00A

Temperature 25°C  
Testing Circuitry Figure A



## 2. Values

Load Current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
0.0	5	5
0.8	5	5
1.6	5	5
2.4	5	5
3.2	10	5
4.0	10	10
4.8	15	10
5.0	15	10
5.5	20	10
—	—	—
—	—	—

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

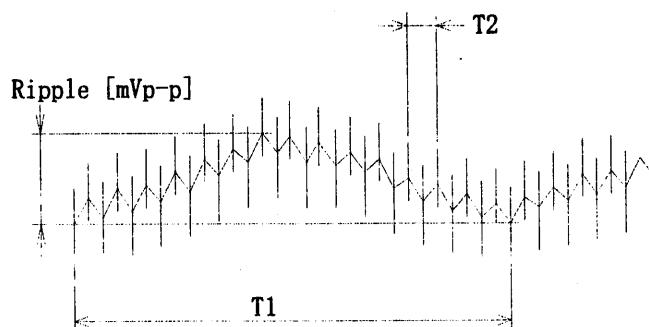
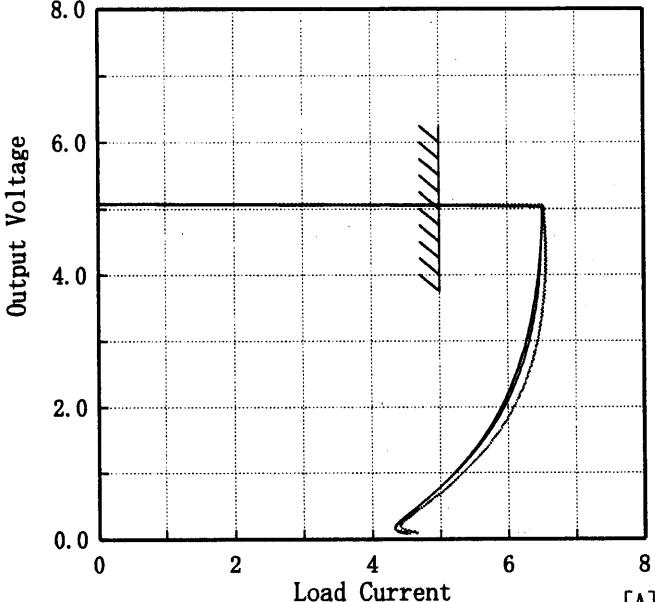


Fig. Complex Ripple Wave Form  
図 リップル波形詳細図

COSEL

Model	R25A-5	Temperature Testing Circuitry 25°C Figure A																																						
Item	Ripple-Noise リップルノイズ																																							
Object	+5.0V 5.00A																																							
1. Graph	<p style="text-align: center;">□ Input Volt. 85V △ Input Volt. 132V</p> <table border="1"> <caption>Data points estimated from Graph 1</caption> <thead> <tr> <th>Load Current [A]</th> <th>Ripple-Noise 85V [mV]</th> <th>Ripple-Noise 132V [mV]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>10</td><td>10</td></tr> <tr><td>0.8</td><td>15</td><td>15</td></tr> <tr><td>1.6</td><td>20</td><td>20</td></tr> <tr><td>2.4</td><td>25</td><td>25</td></tr> <tr><td>3.2</td><td>30</td><td>30</td></tr> <tr><td>4.0</td><td>35</td><td>35</td></tr> <tr><td>4.8</td><td>40</td><td>40</td></tr> <tr><td>5.0</td><td>45</td><td>45</td></tr> <tr><td>5.5</td><td>55</td><td>45</td></tr> </tbody> </table>	Load Current [A]	Ripple-Noise 85V [mV]	Ripple-Noise 132V [mV]	0.0	10	10	0.8	15	15	1.6	20	20	2.4	25	25	3.2	30	30	4.0	35	35	4.8	40	40	5.0	45	45	5.5	55	45									
Load Current [A]	Ripple-Noise 85V [mV]	Ripple-Noise 132V [mV]																																						
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<p>Ripple-Noise is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p> <p>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。</p> <p>T1: Due to AC Input Line T2: Due to Switching</p>																																								
<p>Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p>																																								

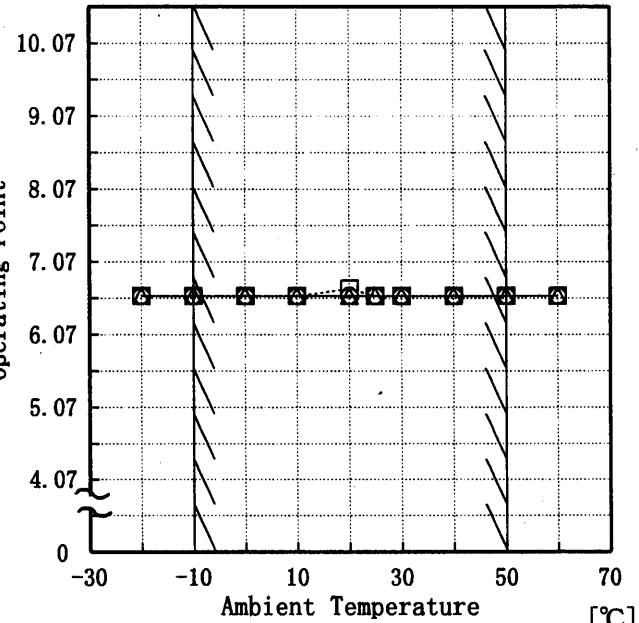
**COSSEL**

Model	R25A-5	Temperature 25°C Testing Circuitry Figure A		
Item	Overcurrent Protection 過電流保護			
Object	+5.0V 5.00A			
1. Graph				
[V]		Input Volt. 85 V Input Volt. 100 V Input Volt. 132 V		
Output Voltage [V]	8.0 6.0 4.0 2.0 0.0			
Load Current [A]	0 2 4 6 8			
2. Values				
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	6.54	6.51	6.53	
4.75	6.55	6.51	6.51	
4.50	6.56	6.50	6.50	
4.00	6.56	6.48	6.46	
3.50	6.52	6.42	6.38	
3.00	6.45	6.33	6.27	
2.50	6.31	6.17	6.12	
2.00	6.09	5.97	5.93	
1.50	5.78	5.64	5.62	
1.00	5.35	5.22	5.25	
0.50	4.76	4.69	4.70	
0.00	4.67	4.56	4.51	

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

(注) 斜線は定格負荷電流範囲を示す。

**COSEL**

Model	R25A-5	Testing Circuitry      Figure A																																																					
Item	Overvoltage Protection 過電圧保護																																																						
Object	+5.0V 5.00A																																																						
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		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Ambient Temp. [°C]</th> <th>Input Volt.</th> <th>Input Volt.</th> <th>Input Volt.</th> </tr> <tr> <th>85[V]</th> <th>100[V]</th> <th>132[V]</th> </tr> </thead> <tbody> <tr> <td>-20</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>-10</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>0</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>10</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>20</td> <td>6.6</td> <td>6.7</td> <td>6.6</td> </tr> <tr> <td>25</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>30</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>40</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>50</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>60</td> <td>6.6</td> <td>6.6</td> <td>6.6</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>			Ambient Temp. [°C]	Input Volt.	Input Volt.	Input Volt.	85[V]	100[V]	132[V]	-20	6.6	6.6	6.6	-10	6.6	6.6	6.6	0	6.6	6.6	6.6	10	6.6	6.6	6.6	20	6.6	6.7	6.6	25	6.6	6.6	6.6	30	6.6	6.6	6.6	40	6.6	6.6	6.6	50	6.6	6.6	6.6	60	6.6	6.6	6.6	—	—	—	—
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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。

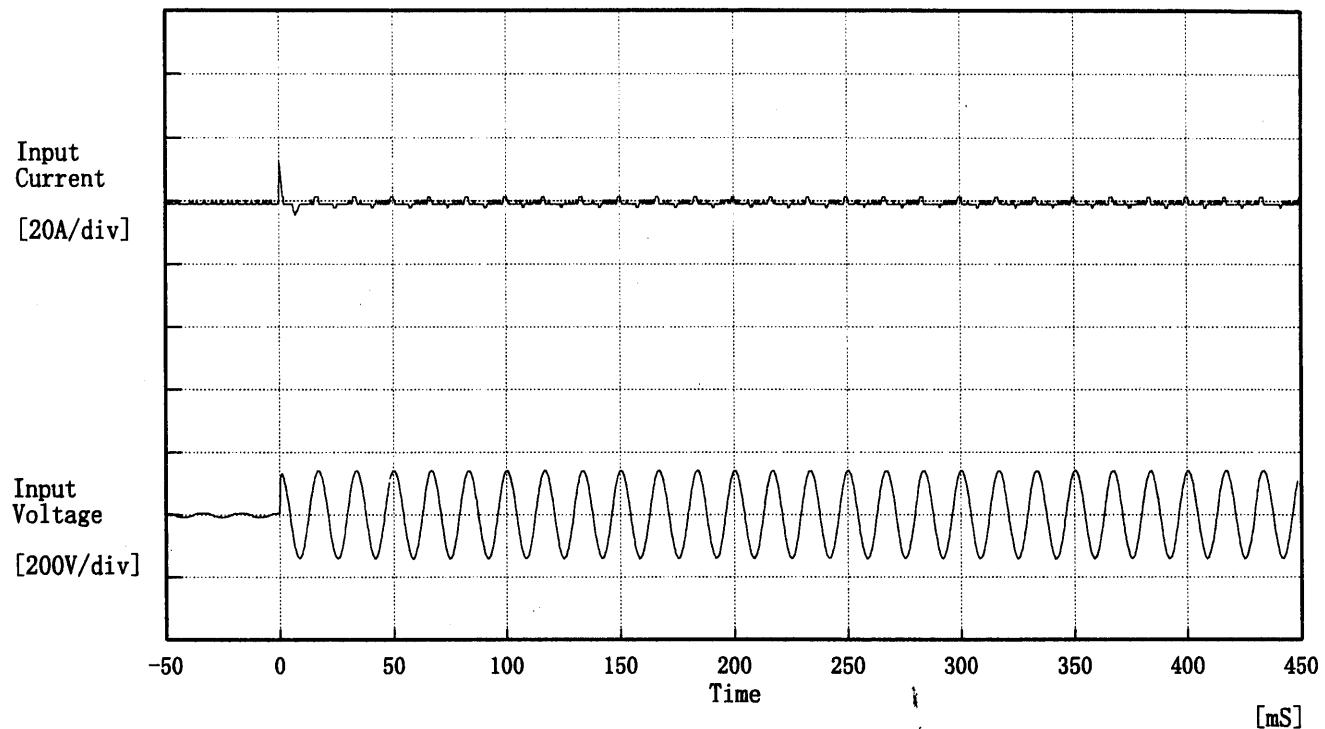
COSEL

Model R25A-5

Item Inrush Current 突入電流

Temperature 25°C  
Testing Circuitry Figure A

Object \_\_\_\_\_



Input Voltage 100 V

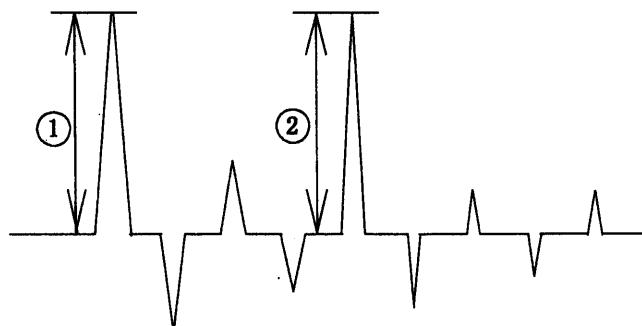
Frequency 60 Hz

Load 100 %

Inrush Current

① 12.45 [A]

② 2.13 [A]



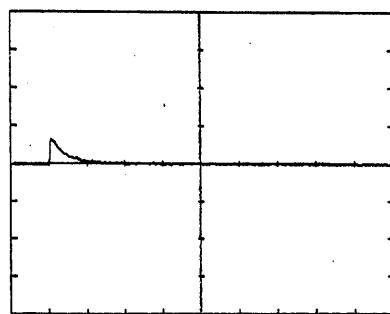
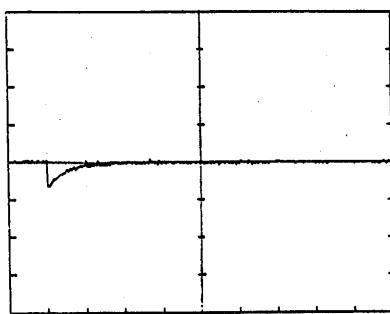
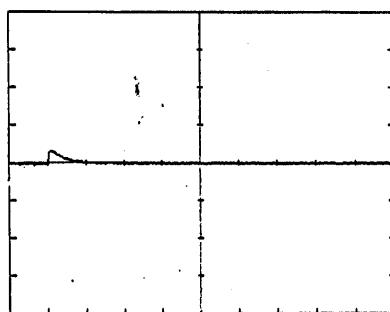
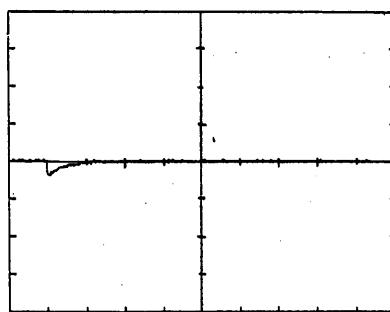
**COSEL**

Model	R25A-5	Temperature	25°C
Item	Dynamic Load Response 動的負荷變動	Testing Circuitry	Figure A
Object	+5.0V 5.00A		

Input Volt. 100 V

Cycle 1000 mS

Load Current

Load 0% ↔  
Load 100 %Load 0% ↔  
Load 50 %

200 mV/div

20 mS/div

**COSEL**

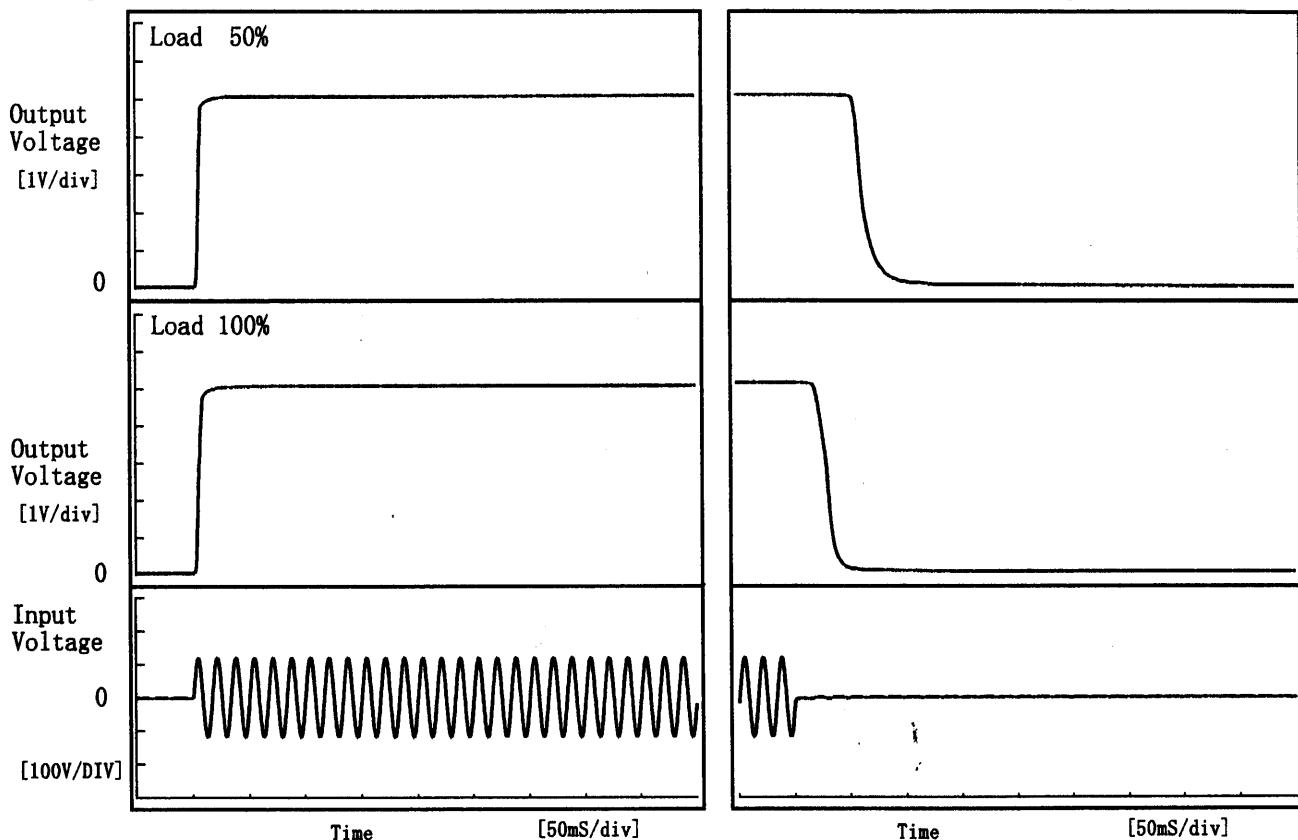
Model R25A-5

Item Rise and Fall Time 立上り、立下り時間

Object +5.0V 5.00A

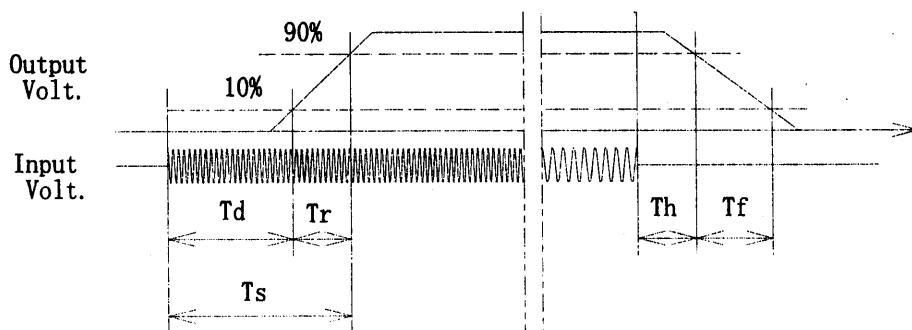
Temperature 25°C  
Testing Circuitry Figure A

## 1. Graph



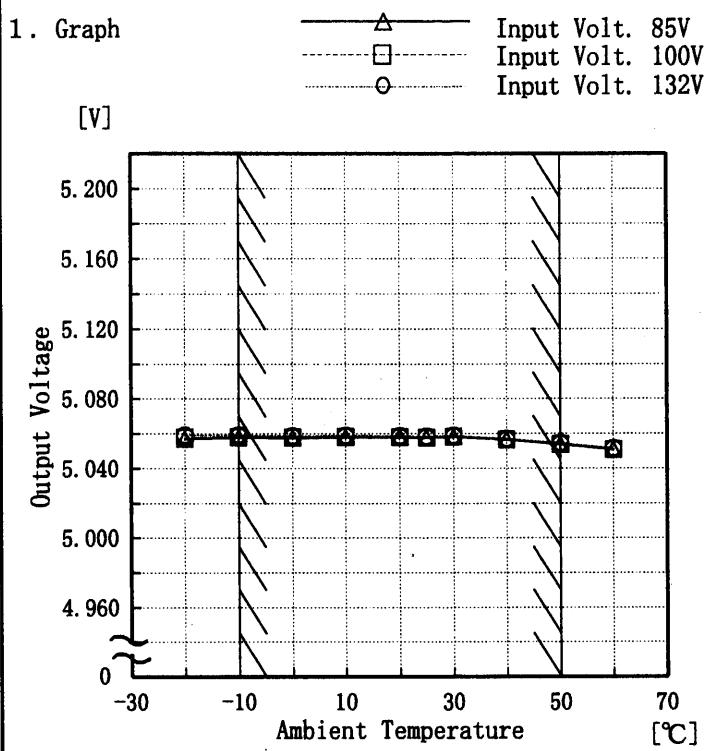
## 2. Values [mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	3.5	3.8	7.3	56.8	23.0
100 %	3.5	5.3	8.8	23.0	17.5



**COSEL**

Model	R25A-5
Item	Ambient Temperature Drift 周囲温度変動
Object	+5.0V 5.00A



Testing Circuitry Figure A

## 2. Values

Temperature [°C]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]
-20	5.057	5.058	5.059
-10	5.058	5.058	5.059
0	5.058	5.058	5.059
10	5.058	5.058	5.059
20	5.058	5.058	5.059
25	5.057	5.058	5.058
30	5.058	5.058	5.059
40	5.056	5.057	5.057
50	5.054	5.054	5.055
60	5.051	5.051	5.051
—	—	—	—

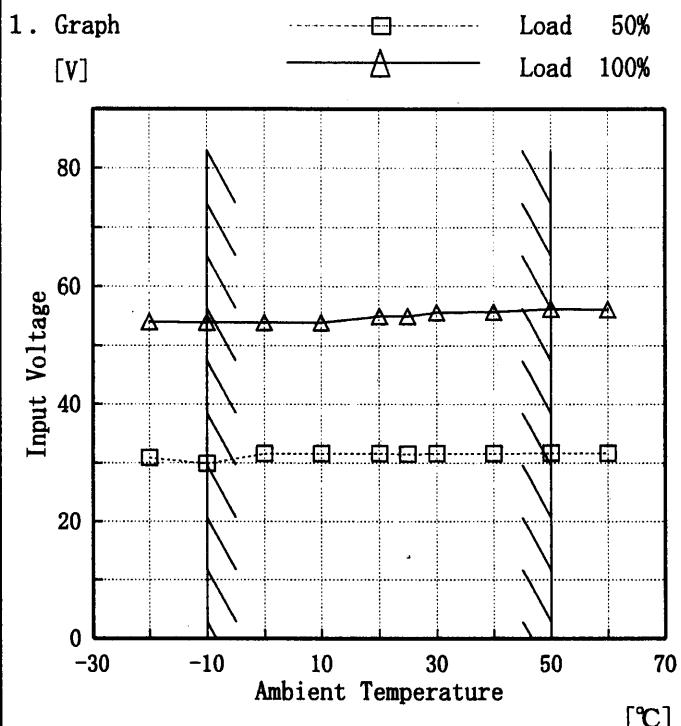
Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

**COSSEL**

Model	R25A-5
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+5.0V 5.00A

Testing Circuitry Figure A



## 2. Values

Ambient Temp. [°C]	Load 50%	Load 100%
	Input Volt. [V]	Input Volt. [V]
-20	31	54
-10	30	54
0	32	54
10	32	54
20	32	55
25	32	55
30	32	56
40	32	56
50	32	56
60	32	56
—	—	—

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。

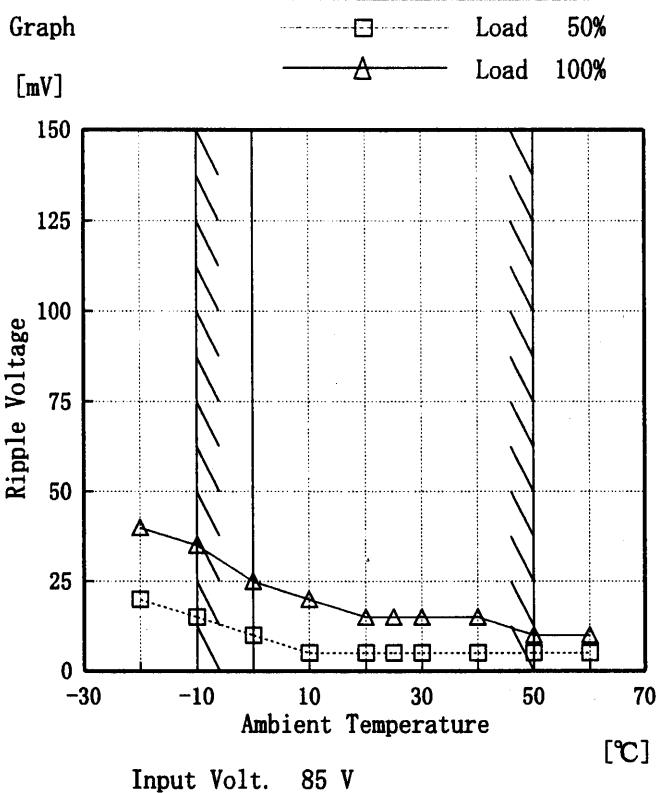
**COSEL**

Model R25A-5

Item Ripple Voltage (by Ambient Temp.)  
リップル電圧 (周囲温度特性)

Object +5.0V 5.00A

## 1. Graph



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。

Testing Circuitry Figure A

## 2. Values

Ambient Temp. [°C]	Load 50%	Load 100%
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
-20	20	40
-10	15	35
0	10	25
10	5	20
20	5	15
25	5	15
30	5	15
40	5	15
50	5	10
60	5	10
—	—	—

**COSEL**

Model	R25A-5	Temperature	25 °C																						
Item	Time Lapse Drift 経時ドリフト	Testing Circuitry	Figure A																						
Object	+5.0V 5.00A																								
1. Graph																									
<p>[V]</p> <table> <caption>Data points estimated from Figure A graph</caption> <thead> <tr> <th>Time [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>5.057</td></tr> <tr><td>0.5</td><td>5.055</td></tr> <tr><td>1.0</td><td>5.055</td></tr> <tr><td>2.0</td><td>5.055</td></tr> <tr><td>3.0</td><td>5.055</td></tr> <tr><td>4.0</td><td>5.055</td></tr> <tr><td>5.0</td><td>5.055</td></tr> <tr><td>6.0</td><td>5.055</td></tr> <tr><td>7.0</td><td>5.055</td></tr> <tr><td>8.0</td><td>5.055</td></tr> </tbody> </table>				Time [H]	Output Voltage [V]	0.0	5.057	0.5	5.055	1.0	5.055	2.0	5.055	3.0	5.055	4.0	5.055	5.0	5.055	6.0	5.055	7.0	5.055	8.0	5.055
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6.0	5.055																								
7.0	5.055																								
8.0	5.055																								



Model	R25A-5	Testing Circuitry Figure A
Item	Output Voltage Accuracy 定電圧精度	
Object	+5.0V 5.00A	

#### 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 : -10~50 °C

Input Voltage : 85~132 V

Load Current : 0.00~5.00 A

\* Output Voltage Accuracy = ±(Maximum of Output Voltage - 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 -10~50 °C

入力電圧 85~132 V

負荷電流 0.00~5.00 A

\* 定電圧精度(変動値) = ±(出力電圧の最高値-出力電圧の最低値) / 2

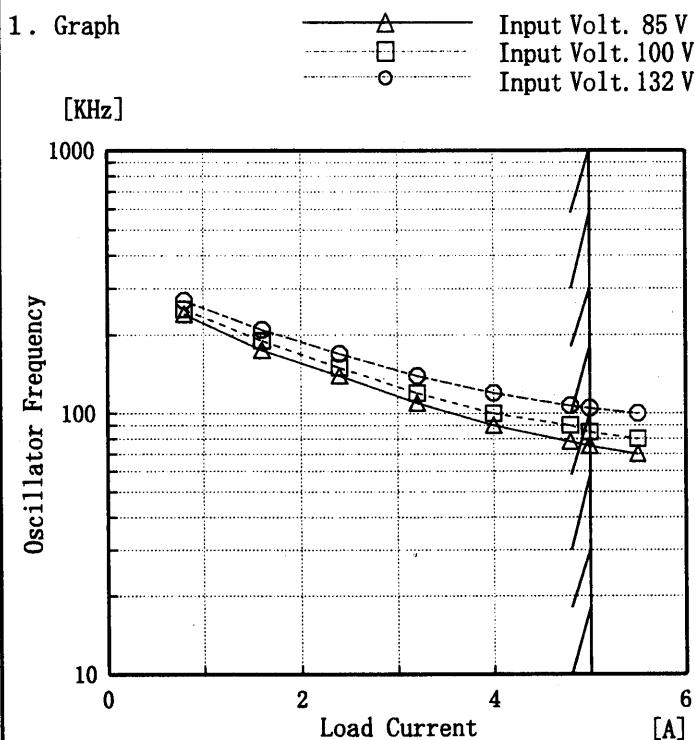
$$* \text{ 定電圧精度(変動率)} = \frac{\text{変動値}}{\text{定格出力電圧}} \times 100$$

Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy(Ration) [%]
Maximum Voltage	-10	100	0.00	5.073		
Minimum Voltage	50	85	5.00	5.054	±10	±0.2

**COSEL**

Model	R25A-5
Item	Oscillator Frequency 発振周波数
Object	+5.0V 5.00 A

Temperature 25°C  
Testing Circuitry Figure A



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

(注) 斜線は定格負荷電流範囲を示す。

## 2. Values

Load Current [A]	Input Volt.	Input Volt.	Input Volt.
	85[V]	100[V]	132[V]
Oscillator Frequency [KHz]			
0.8	240	250	270
1.6	175	190	210
2.4	140	150	170
3.2	110	120	140
4.0	90	100	120
4.8	78	90	107
5.0	75	85	105
5.5	70	80	100
—	—	—	—
—	—	—	—
—	—	—	—



Model	R25A-5	Testing Circuitry Figure A
Item	Condensation 結露特性	
Object	+5.0V 5A	

### 1. Condensation test

Testing procedure is as follows.

- ① Keeping and cooling the unit in a tank at -10°C for an hour with the input off.
- 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.
- ③ Testing electrical characteristics of the unit to confirm there be no fault.

### 1. 結露特性試験

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、異常がないことを確認する。

### 2. Values

Item	Data	Testing Conditions
Output Voltage [V]	5.051	Input Volt.: 100V, Load Current:5A
Line Regulation [mV]	3	Input Volt.: 85~132V, Load Current:5A
Load Regulation [mV]	15	Input Volt.: 100V, Load Current:0~5A



Model	R25A-5		
Item	Leakage Current 漏洩電流	Testing Circuitry	Figure A
Object	_____		

### 1. Results

Standards	Leakage Current [mA]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
(A) DENTORI	0.29	0.37	0.41
(B) UL	0.22	0.30	0.34
(C) CSA	0.22	0.30	0.34

### 2. Condition

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

交流入力の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。

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 220 [V]	Input Volt. 264 [V]
(D) VDE	—	—	—



Model	R25A-5	Testing Circuitry Figure C
Item	Line Noise Tolerance 入力雑音耐量	
Object	+5.0V 5.00A	

## 1. Results

Pulse Width [nS]	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 regulation
	NORMAL	OK	no regulation
1000	COMMON	OK	no regulation
	NORMAL	OK	no regulation

## Conditions

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

**COSEL**

Model	R25A-5
Item	Conducted Emission 雜音端子電壓
Object	_____

Testing Circuitry

Figure D

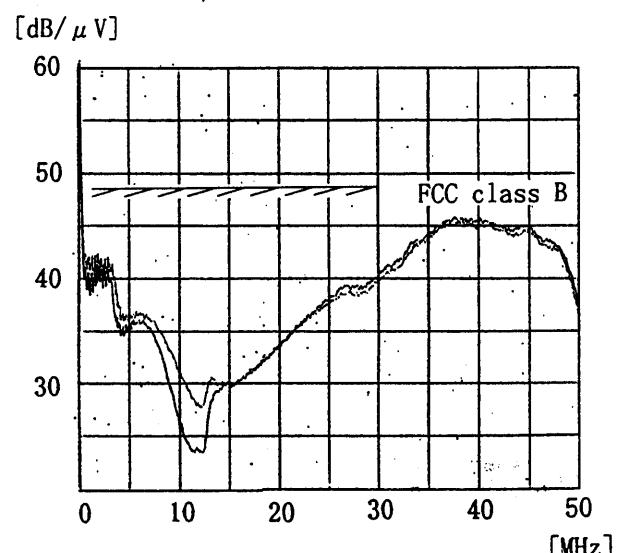
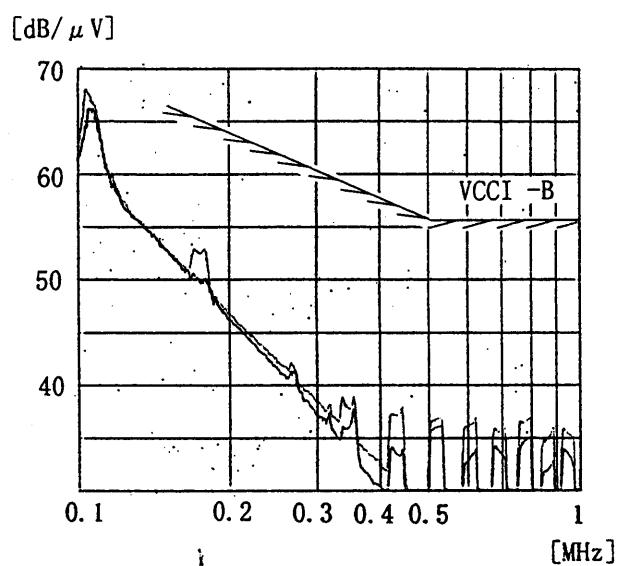
## 1. Graph

## Remarks

Input Volt.      100 V (VCCI -B)  
                   120 V (FCC class B)  
 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/ $\mu$ V]
1	FCC class A		0.45~1.6	60
			1.6~30	69.5
2	FCC class B	○	0.45~30	48
3	VCCI -A		0.15~0.5	79
			0.5~30	73
4	VCCI -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



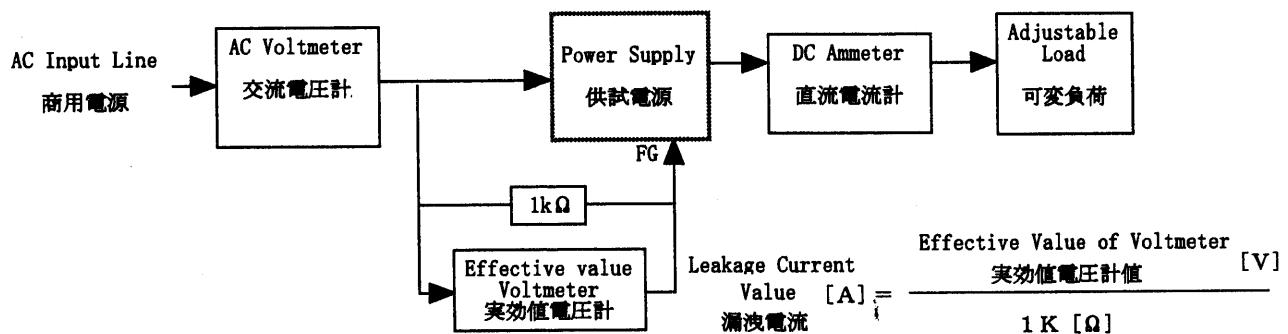
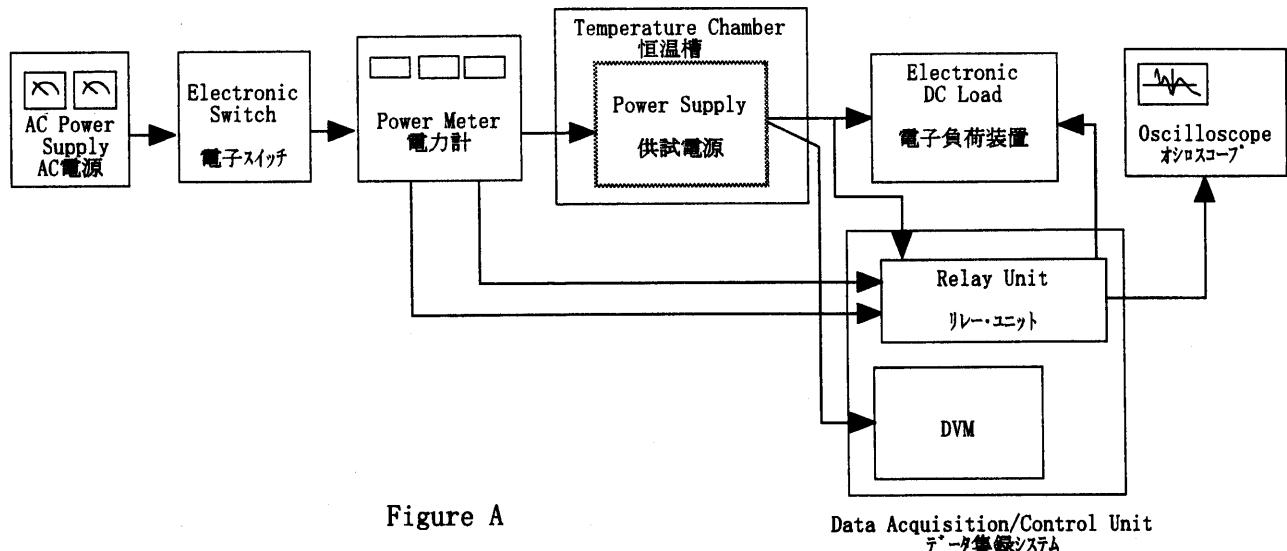


Figure B (DENTORI)

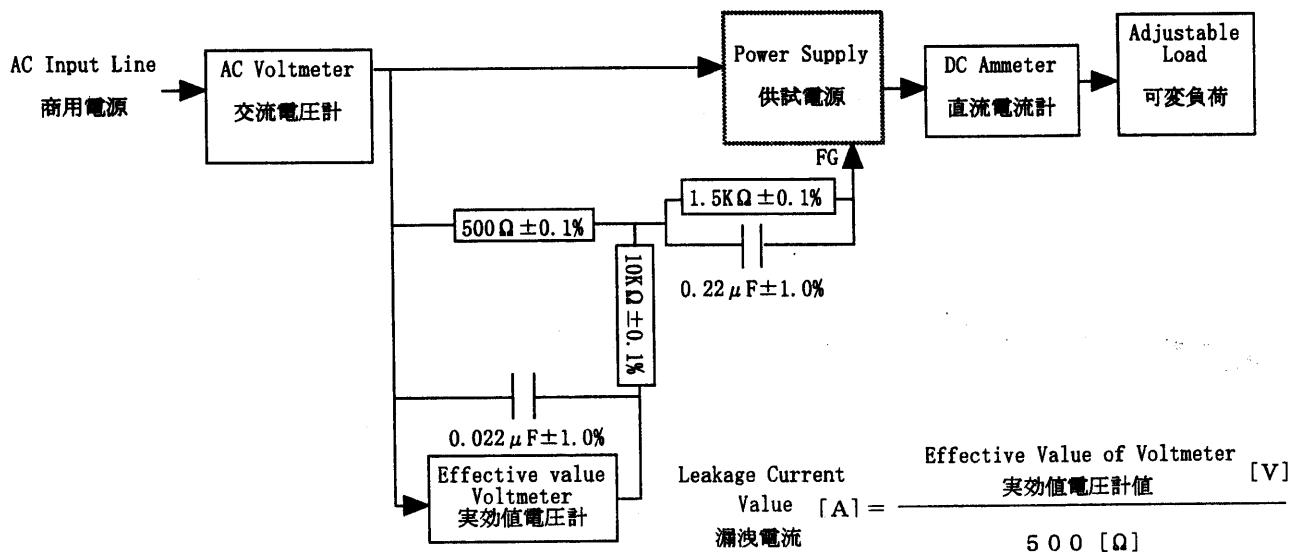


Figure B (UL, CSA, VDE)

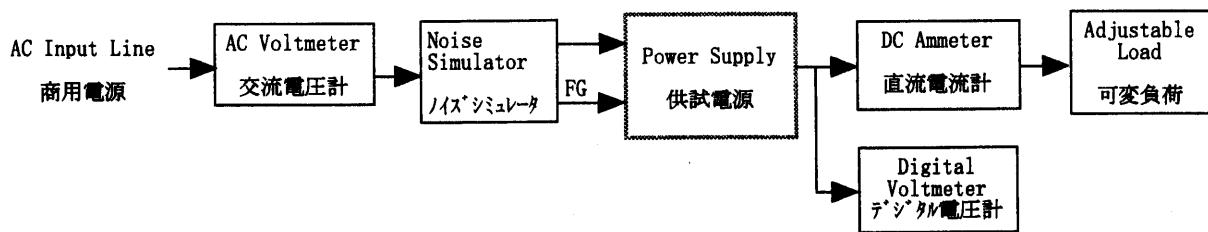


Figure C

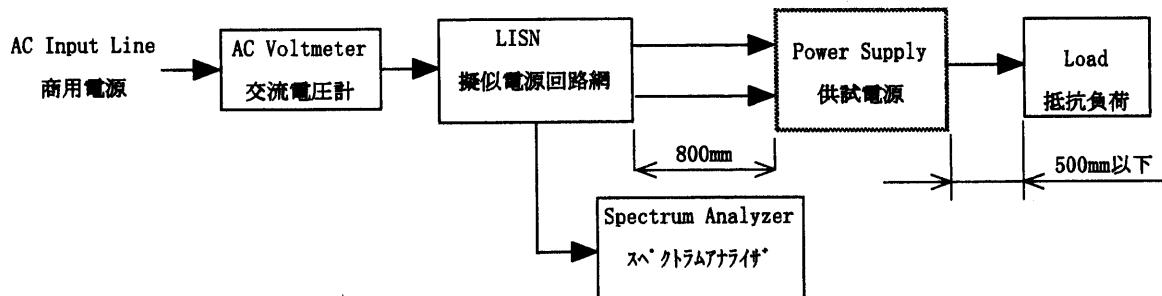


Figure D

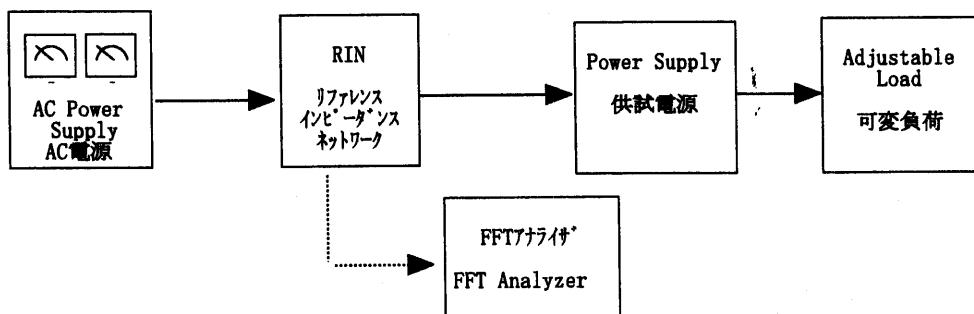


Figure E