



# TEST DATA OF R10A-5

(100V INPUT)

Regulated DC Power Supply

Date : Apr. 28. 1999

Approved by :     *ZI. Goto*      
Design Manager

Prepared by :     *Y. Sakahashi*      
Design Engineer

**コーセル株式会社**  
**COSEL CO., LTD.**

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Model		R10A-5		Temperature		25℃																															
Item		Line Regulation  静的入力変動		Testing Circuitry		Figure A																															
Object		+5V2A																																			
1. Graph				2. Values																																	
<div><div><div>-----□-----</div><div>Load 50%</div></div><div><div>-----△-----</div><div>Load 100%</div></div></div> <div><div>Output Voltage</div><div>[V]</div><div><div>5.080</div><div>5.060</div><div>5.040</div><div>5.020</div><div>5.000</div><div>4.980</div><div>4.960</div><div>0</div></div><div><div>0</div><div>80</div><div>90</div><div>100</div><div>110</div><div>120</div><div>130</div><div>140</div><div>150</div></div><div><div>Input Voltage</div><div>[V]</div></div><div></div></div> <div><div>Note: Slanted line shows the range of the rated input voltage.</div><div>(注)斜線は定格入力電圧範囲を示す。</div></div>				<table><tr><th>Input Voltage [V]</th><th>Load 50% Output Volt. [V]</th><th>Load 100% Output Volt. [V]</th></tr><tr><td>75</td><td>5.016</td><td>5.011</td></tr><tr><td>80</td><td>5.016</td><td>5.012</td></tr><tr><td>85</td><td>5.016</td><td>5.012</td></tr><tr><td>90</td><td>5.016</td><td>5.012</td></tr><tr><td>100</td><td>5.016</td><td>5.012</td></tr><tr><td>110</td><td>5.016</td><td>5.012</td></tr><tr><td>120</td><td>5.016</td><td>5.012</td></tr><tr><td>132</td><td>5.016</td><td>5.012</td></tr><tr><td>140</td><td>5.016</td><td>5.012</td></tr></table>				Input Voltage [V]	Load 50% Output Volt. [V]	Load 100% Output Volt. [V]	75	5.016	5.011	80	5.016	5.012	85	5.016	5.012	90	5.016	5.012	100	5.016	5.012	110	5.016	5.012	120	5.016	5.012	132	5.016	5.012	140	5.016	5.012
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# COSEL

Model R10A-5		Temperature 25°C Testing Circuitry Figure A
Item	Input Current (by Load Current) 入力電流 (負荷特性)	
Output	_____	

1. Graph

—△— Input Volt. 85V

---□--- Input Volt. 100V

---○--- Input Volt. 132V

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 Current [A]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.0	0.043	0.045	0.049
0.4	0.102	0.097	0.093
0.8	0.154	0.143	0.129
1.2	0.202	0.185	0.163
1.6	0.249	0.227	0.197
2.0	0.296	0.268	0.230
2.2	0.320	0.289	0.246
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

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Model		R10A-5		Temperature		25℃																																																								
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<div><div>—△—</div>Input Volt. 85V</div> <div><div>---□---</div>Input Volt. 100V</div> <div><div>---○---</div>Input Volt. 132V</div> <p>Input Power [W]</p> <p>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>				<table><tr><th rowspan="2">Load Current</th><th colspan="3">Input Power [W]</th></tr><tr><th>Input Volt. 85[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 132[V]</th></tr><tr><td>0.0</td><td>1.41</td><td>1.68</td><td>2.27</td></tr><tr><td>0.4</td><td>3.95</td><td>4.23</td><td>4.94</td></tr><tr><td>0.8</td><td>6.47</td><td>6.70</td><td>7.32</td></tr><tr><td>1.2</td><td>8.96</td><td>9.18</td><td>9.74</td></tr><tr><td>1.6</td><td>11.58</td><td>11.78</td><td>12.26</td></tr><tr><td>2.0</td><td>14.26</td><td>14.40</td><td>14.83</td></tr><tr><td>2.2</td><td>15.65</td><td>15.72</td><td>16.13</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></table>				Load Current	Input Power [W]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.0	1.41	1.68	2.27	0.4	3.95	4.23	4.94	0.8	6.47	6.70	7.32	1.2	8.96	9.18	9.74	1.6	11.58	11.78	12.26	2.0	14.26	14.40	14.83	2.2	15.65	15.72	16.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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# COSEL

Model R10A-5		Temperature 25°C Testing Circuitry Figure A																														
Item	Efficiency (by Input Voltage) 効率 (入力電圧特性)																															
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<p>1. Graph</p> <p>-----□----- Load 50%</p> <p>-----△----- Load 100%</p> <p>Efficiency [%]</p> <p>Input Voltage [V]</p> <p>Note: Slanted line shows the range of the rated input voltage.</p> <p>(注)斜線は定格入力電圧範囲を示す。</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Input Voltage [V]</th><th>Load 50% Efficiency [%]</th><th>Load 100% Efficiency [%]</th></tr> </thead> <tbody> <tr><td>75</td><td>66.2</td><td>70.8</td></tr> <tr><td>80</td><td>66.0</td><td>70.9</td></tr> <tr><td>85</td><td>65.5</td><td>70.6</td></tr> <tr><td>90</td><td>64.5</td><td>70.5</td></tr> <tr><td>100</td><td>63.5</td><td>70.1</td></tr> <tr><td>110</td><td>62.1</td><td>69.4</td></tr> <tr><td>120</td><td>60.8</td><td>68.9</td></tr> <tr><td>132</td><td>59.0</td><td>67.9</td></tr> <tr><td>140</td><td>57.8</td><td>67.5</td></tr> </tbody> </table>	Input Voltage [V]	Load 50% Efficiency [%]	Load 100% Efficiency [%]	75	66.2	70.8	80	66.0	70.9	85	65.5	70.6	90	64.5	70.5	100	63.5	70.1	110	62.1	69.4	120	60.8	68.9	132	59.0	67.9	140	57.8	67.5
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Model		R10A-5		Temperature		25℃																																																								
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# COSEL

LOGEL

Model	R10A-5
Item	Power Factor (by Input Voltage) 力率 (入力電圧特性)
Object	_____

Temperature

25℃

Testing Circuitry

Figure A

1. Graph

-----□-----

load 50%

-----△-----

load 100%

Power Factor

Input Voltage [V]

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

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(注)斜線は定格入力電圧範囲を示す。

2. Values

Input Voltage [V]	load 50% Power Factor	load 100% Power Factor
75	0.53	0.59
80	0.52	0.58
85	0.51	0.57
90	0.50	0.56
100	0.48	0.54
110	0.47	0.52
120	0.45	0.50
132	0.44	0.49
140	0.43	0.48



# COSEL

Model

R10A-5

Item

Power Factor (by Load Current)  
力率 (負荷電流特性)

Output

1. Graph

—△—

Input Volt. 85V

---□---

Input Volt. 100V

---○---

Input Volt. 132V

Power Factor

0.8

0.7

0.6

0.5

0.4

0.3

0

0.5

1

1.5

2

2.5

</

# COSEL

Model R10A-5		Temperature 25°C Testing Circuitry Figure A																																
Item	Hold-Up Time 出力保持時間																																	
Object	+5V2A																																	
<p>1. Graph</p> <p>—△— Load 50% - - -□- - Load 100%</p> <p>[mS]</p> <p>Hold-Up Time</p> <p>Input Voltage [V]</p>		2. Values																																
		<table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th><th>Load 50%</th><th>Load 100%</th></tr> <tr> <th>Hold-Up Time [mS]</th><th>Hold-Up Time [mS]</th></tr> </thead> <tbody> <tr><td>75</td><td>30</td><td>8</td></tr> <tr><td>80</td><td>35</td><td>10</td></tr> <tr><td>85</td><td>40</td><td>12</td></tr> <tr><td>90</td><td>46</td><td>16</td></tr> <tr><td>100</td><td>59</td><td>22</td></tr> <tr><td>110</td><td>73</td><td>30</td></tr> <tr><td>120</td><td>88</td><td>38</td></tr> <tr><td>132</td><td>108</td><td>48</td></tr> <tr><td>140</td><td>122</td><td>56</td></tr> </tbody> </table>	Input Voltage [V]	Load 50%	Load 100%	Hold-Up Time [mS]	Hold-Up Time [mS]	75	30	8	80	35	10	85	40	12	90	46	16	100	59	22	110	73	30	120	88	38	132	108	48	140	122	56
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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。

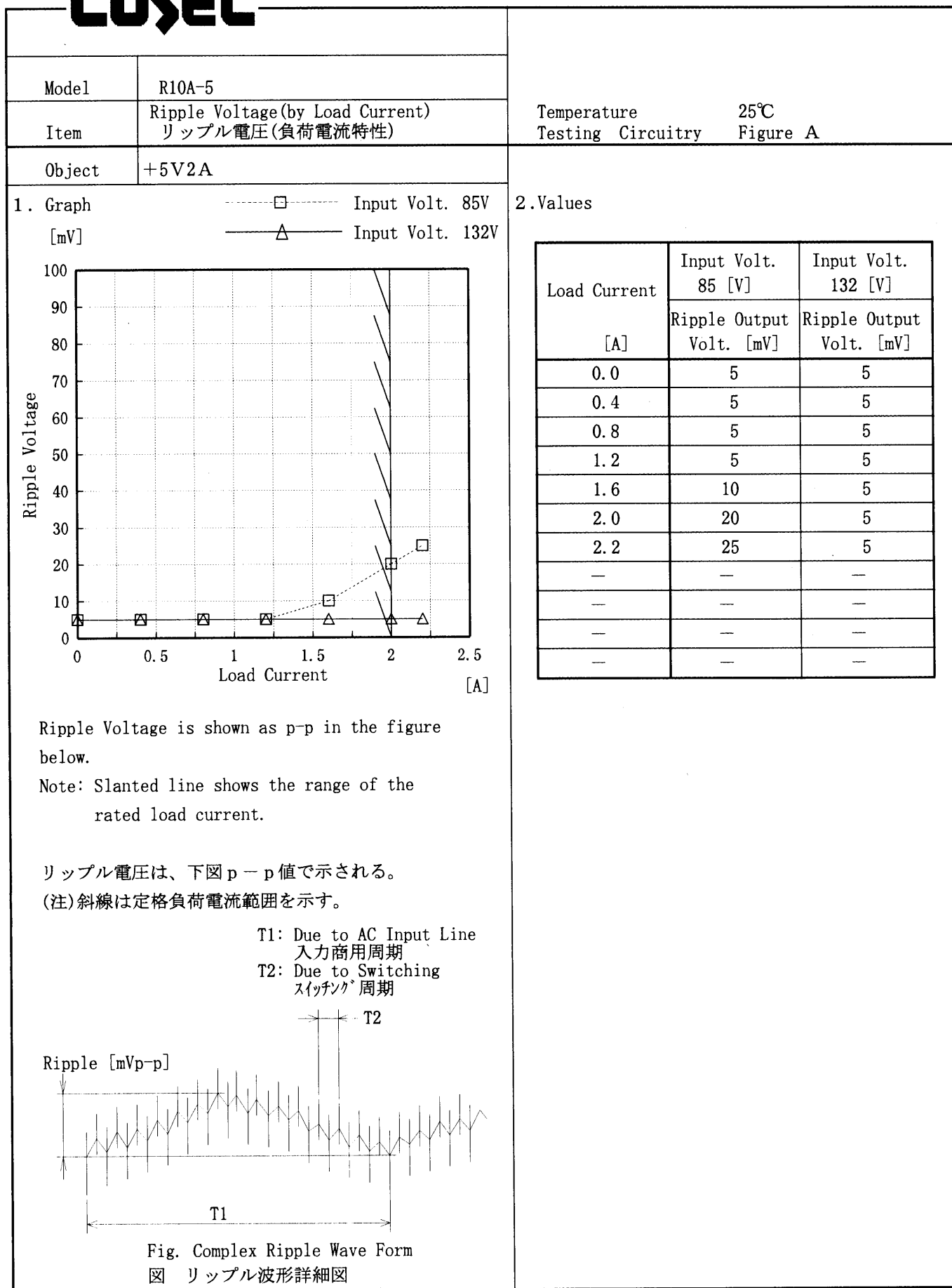
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Model	R10A-5	Temperature	25°C																																																			
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		<table border="1"> <thead> <tr> <th>Load Current [A]</th><th>Input Volt. 85[V] Output Volt. [V]</th><th>Input Volt. 100[V] Output Volt. [V]</th><th>Input Volt. 132[V] Output Volt. [V]</th></tr> </thead> <tbody> <tr><td>0.0</td><td>5.020</td><td>5.020</td><td>5.021</td></tr> <tr><td>0.4</td><td>5.018</td><td>5.018</td><td>5.018</td></tr> <tr><td>0.8</td><td>5.017</td><td>5.017</td><td>5.017</td></tr> <tr><td>1.2</td><td>5.016</td><td>5.016</td><td>5.016</td></tr> <tr><td>1.6</td><td>5.014</td><td>5.014</td><td>5.014</td></tr> <tr><td>2.0</td><td>5.012</td><td>5.013</td><td>5.013</td></tr> <tr><td>2.2</td><td>5.011</td><td>5.012</td><td>5.012</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] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]	0.0	5.020	5.020	5.021	0.4	5.018	5.018	5.018	0.8	5.017	5.017	5.017	1.2	5.016	5.016	5.016	1.6	5.014	5.014	5.014	2.0	5.012	5.013	5.013	2.2	5.011	5.012	5.012	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Input Volt. 85[V] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]																																												
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2.2	5.011	5.012	5.012																																												
—	—	—	—																																												
—	—	—	—																																												
—	—	—	—																																												

# COSEL



# COSEL

Model		R10A-5		Temperature		25℃	
Item		Ripple-Noise   リップルノイズ		Testing Circuitry		Figure A	
Object		+5V2A		2. Values			
1. Graph		-----□-----   Input Volt. 85V △-----   Input Volt. 132V					

[mV]

Ripple-Noise

Load Current

[A]

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。

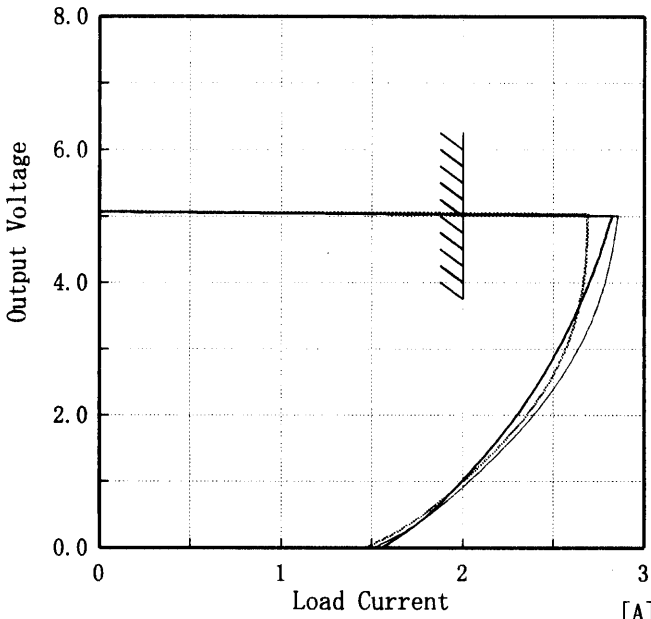
Load current	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple-Noise [mV]	Ripple-Noise [mV]
0.0	10	10
0.4	15	10
0.8	15	15
1.2	20	20
1.6	30	20
2.0	35	25
2.2	40	30
—	—	—
—	—	—
—	—	—
—	—	—

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

Ripple-Noise [mVp-p]

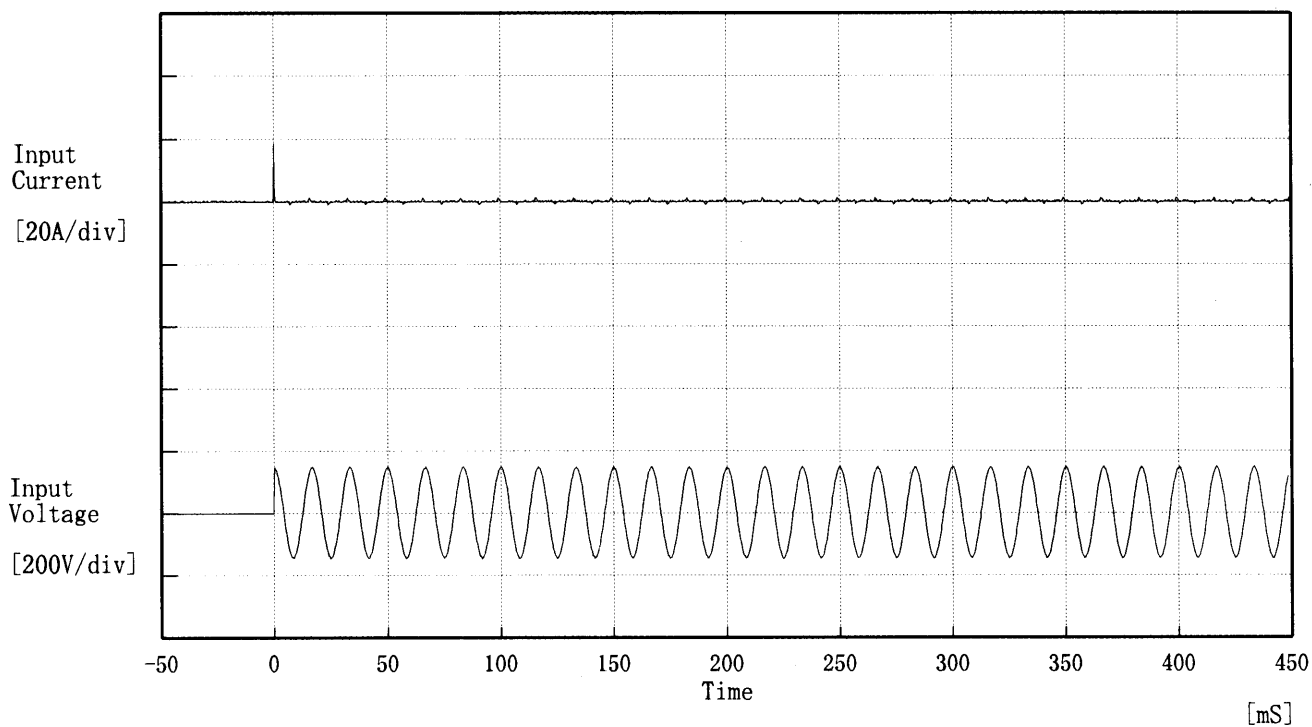
Fig. Complex Ripple Wave Form  
図   リップル波形詳細図

# COSEL

Model		R10A-5	Temperature25℃ Testing CircuitryFigure A
Item		Overcurrent Protection 過電流保護	
Object		+5.0V2A	
1. Graph			
[V]		..... Input Volt. 85 V ———— Input Volt. 100 V ———— Input Volt. 132 V	2. Values
			
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	R10A-5	Temperature 25°C Testing Circuitry Figure A
Item	Inrush Current 突入電流	
Object	_____	



Input Voltage 100 V

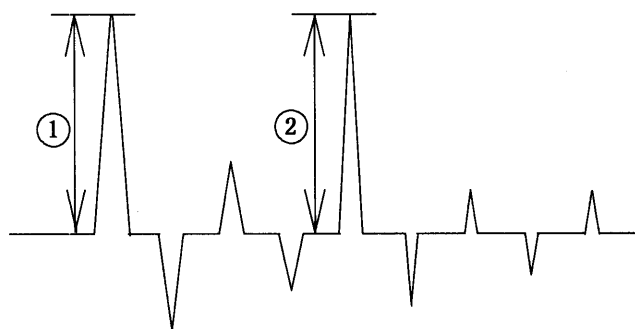
Frequency 60 Hz

Load 100 %

Inrush Current

① 18.38 [A]

② 1.18 [A]





# COSEL

Model	R10A-5	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+5V2A	

Input Volt. 100 V

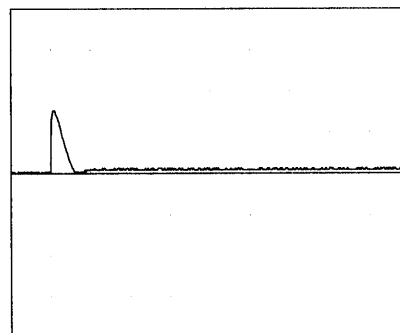
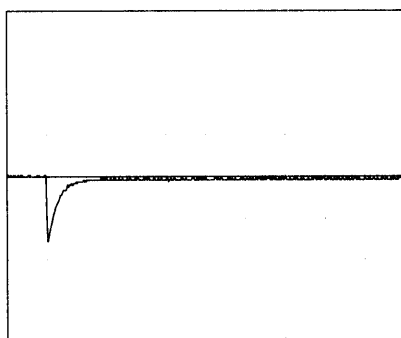
Cycle 1000 mS

Load Current



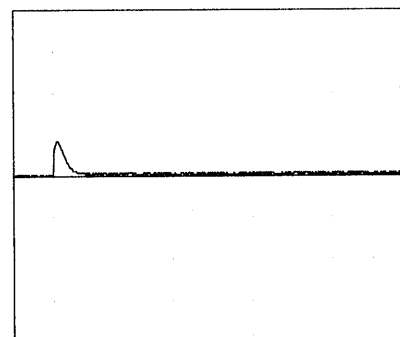
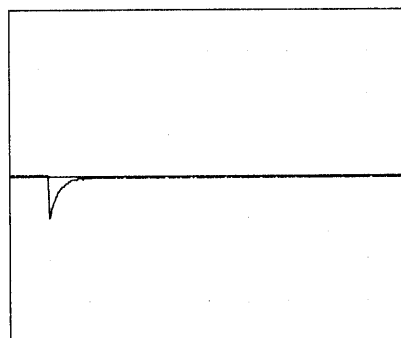
Min. Load ↔

Load 100 %



Min. Load ↔

Load 50 %



100 mV/div

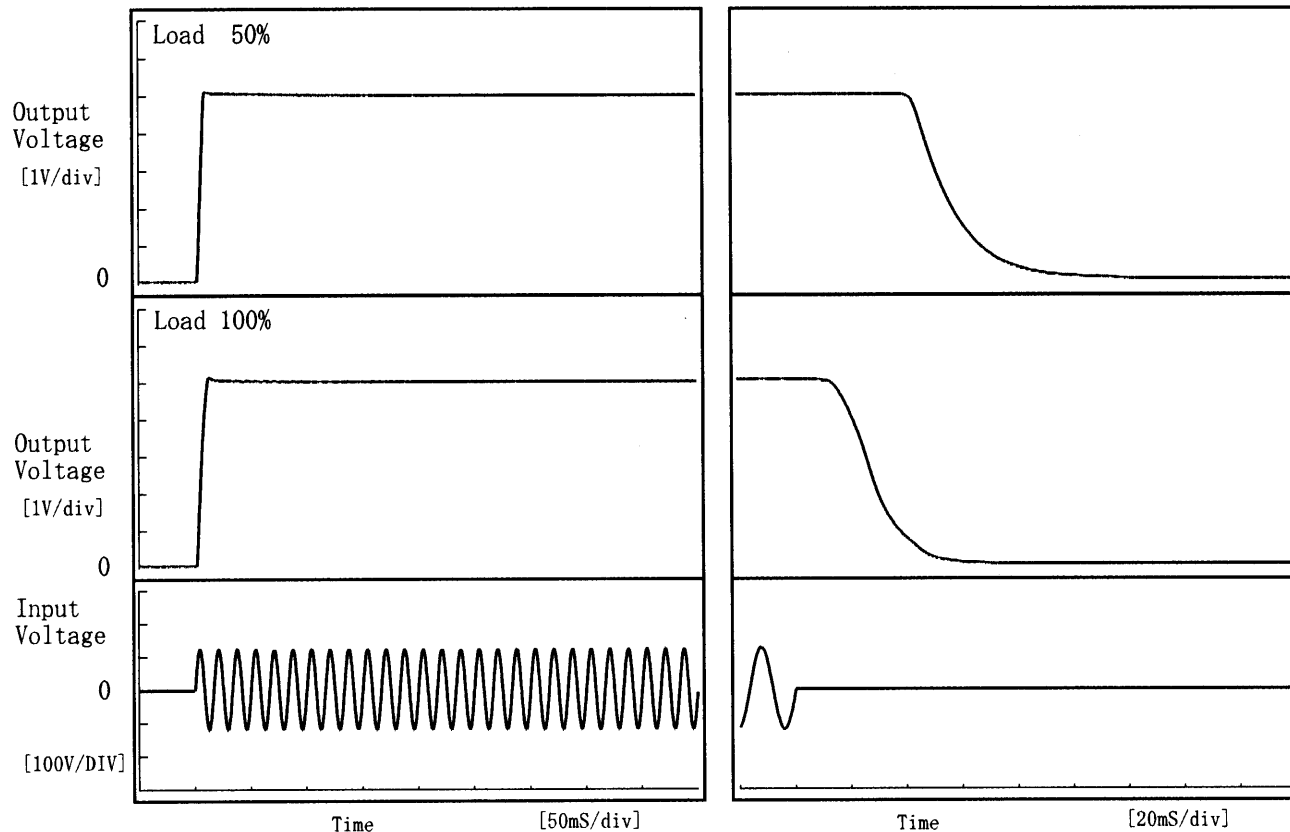
20 ms/div

# COSEL

Model	R10A-5	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+5V2A		

## 1. Graph

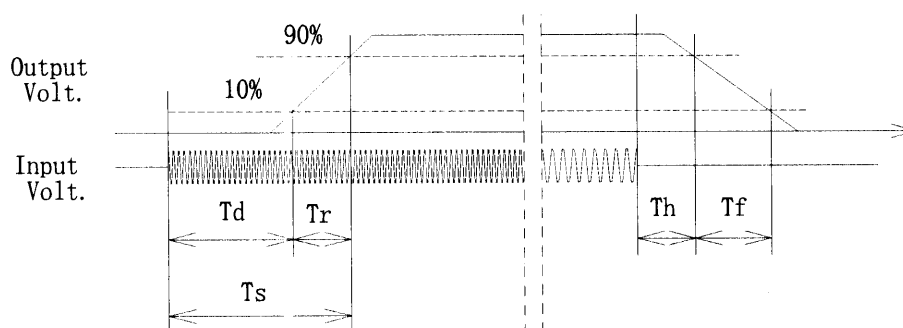
Input Volt. 85 V



## 2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	2.8	5.0	7.8	44.3	32.8
100 %	2.8	7.5	10.3	17.7	26.8



**COSEL**

Model		R10A-5	
Item		Ambient Temperature Drift 周囲温度変動	
Object		+5V2A	

1. Graph

△

—

Input Volt. 85V

□

- - -

Input Volt. 100V

○

- - -

Input Volt. 132V

Output Voltage [V]

5.150

5.110

5.070

5.030

4.990

4.950

4.910

0

0

30

60

-30

-10

10

30

50

70

Ambient Temperature [°C]

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

Temperature [°C]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]
-20	5.021	5.022	5.023
-10	5.020	5.020	5.021
0	5.017	5.018	5.018
10	5.015	5.016	5.016
20	5.013	5.013	5.013
25	5.011	5.012	5.012
30	5.011	5.011	5.011
40	5.007	5.008	5.008
50	5.004	5.004	5.004
60	5.000	5.000	5.001
—	—	—	—

# COSEL

Model

R10A-5

Item

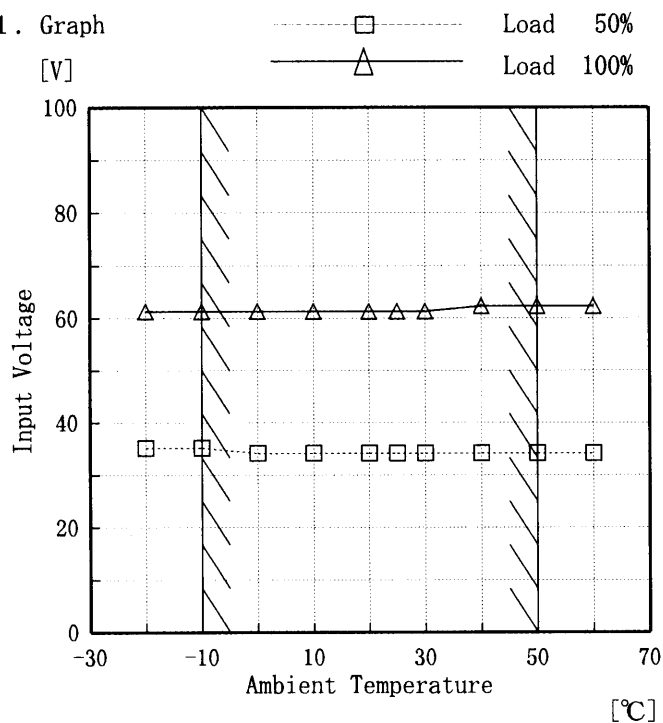
Minimum Input Voltage for Regulated Output Voltage  
最低レギュレーション電圧

Object

+5V2A

Testing Circuitry Figure A

## 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。

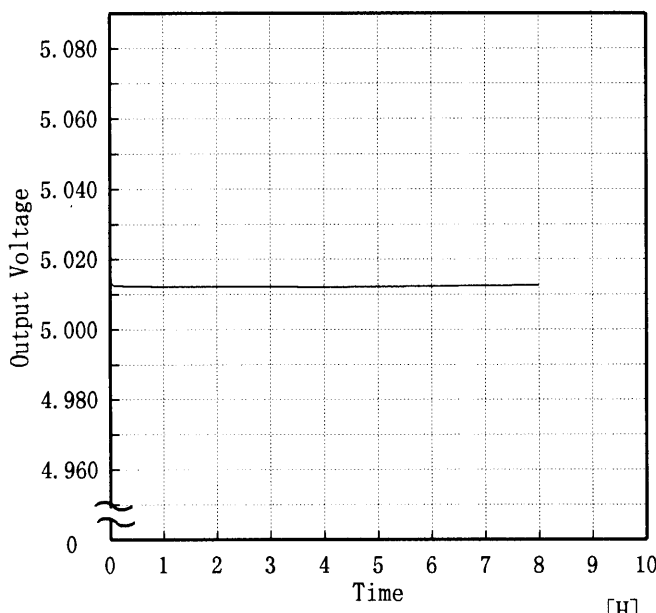
## 2. Values

Ambient Temp. [°C]	Load 50% Input Volt. [V]	Load 100% Input Volt. [V]
-20	35	61
-10	35	61
0	34	61
10	34	61
20	34	61
25	34	61
30	34	61
40	34	62
50	34	62
60	34	62
—	—	—

# COSEL

Model R10A-5		Testing Circuitry Figure A																																				
Item	Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)																																					
Object	+5V2A																																					
1. Graph <div> <div> <div>□</div> <div>Load 50%</div> </div> <div> <div>△</div> <div>Load 100%</div> </div> </div> <div> <div> <div>[mV]</div> <div>150</div> <div>125</div> <div>100</div> <div>75</div> <div>50</div> <div>25</div> <div>0</div> </div> <div> <div>Ripple Voltage</div> <div>[-30 -10 10 30 50 70]</div> <div>Ambient Temperature [°C]</div> </div> </div> <div> <div>Input Volt. 85 V</div> <div>Note: Slanted line shows the range of the rated ambient temperature.</div> <div>(注)斜線は定格周囲温度範囲を示す。</div> </div>		2. Values <table> <tr> <th>Ambient Temp. [°C]</th><th>Load 50% Ripple Output Volt. [mV]</th><th>Load 100% Ripple Output Volt. [mV]</th></tr> <tr><td>-20</td><td>10</td><td>50</td></tr> <tr><td>-10</td><td>10</td><td>50</td></tr> <tr><td>0</td><td>10</td><td>30</td></tr> <tr><td>10</td><td>10</td><td>25</td></tr> <tr><td>20</td><td>10</td><td>25</td></tr> <tr><td>25</td><td>10</td><td>20</td></tr> <tr><td>30</td><td>10</td><td>20</td></tr> <tr><td>40</td><td>10</td><td>20</td></tr> <tr><td>50</td><td>10</td><td>20</td></tr> <tr><td>60</td><td>10</td><td>20</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </table>	Ambient Temp. [°C]	Load 50% Ripple Output Volt. [mV]	Load 100% Ripple Output Volt. [mV]	-20	10	50	-10	10	50	0	10	30	10	10	25	20	10	25	25	10	20	30	10	20	40	10	20	50	10	20	60	10	20	—	—	—
Ambient Temp. [°C]	Load 50% Ripple Output Volt. [mV]	Load 100% Ripple Output Volt. [mV]																																				
-20	10	50																																				
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0	10	30																																				
10	10	25																																				
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30	10	20																																				
40	10	20																																				
50	10	20																																				
60	10	20																																				
—	—	—																																				

**COSEL**

COSEL																									
Model	R10A-5	Temperature 25 ℃ Testing Circuitry Figure A																							
Item	Time Lapse Drift 経時ドリフト																								
Object	+5V2A																								
1. Graph		2.Values																							
<div>[V]</div> <div></div> <div>Output Voltage [V]</div> <div>Time [H]</div> <div>Input Volt. 100V</div> <div>Load 100%</div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>5.014</td></tr><tr><td>0.5</td><td>5.012</td></tr><tr><td>1.0</td><td>5.012</td></tr><tr><td>2.0</td><td>5.012</td></tr><tr><td>3.0</td><td>5.012</td></tr><tr><td>4.0</td><td>5.012</td></tr><tr><td>5.0</td><td>5.012</td></tr><tr><td>6.0</td><td>5.012</td></tr><tr><td>7.0</td><td>5.012</td></tr><tr><td>8.0</td><td>5.013</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	5.014	0.5	5.012	1.0	5.012	2.0	5.012	3.0	5.012	4.0	5.012	5.0	5.012	6.0	5.012	7.0	5.012	8.0	5.013
Time since start [H]	Output Voltage [V]																								
0.0	5.014																								
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6.0	5.012																								
7.0	5.012																								
8.0	5.013																								

# COSEL

Model	R10A-5	Testing Circuitry Figure A
Item	Output Voltage Accuracy 定電圧精度	
Object	+5V2A	

## 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 : 0.00~2 A

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

\* 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 : 0.00~2 A

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

\* 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	132	0.00	5.028	±13	±0.3
Minimum Voltage	50	85	2.00	5.003		

# COSEL

Model		R10A-5	
Item		Oscillator Frequency 発振周波数	
Object		+5V2A	

1. Graph

—△—

Input Volt. 85 V

---□---

Input Volt. 100 V

---○---

Input Volt. 132 V

[KHz]

1000

Oscillator Frequency

100

10

0

0.5

1

1.5

2

2.5

Load Current

[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. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
	Oscillator Frequency [KHz]		
0.0	463	470	475
0.4	265	278	315
0.8	180	200	227
1.2	135	153	177
1.6	110	123	145
2.0	92	105	120
2.2	84	96	112
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—





LOVEL

Model	R10A-5
Item	Condensation 結露特性
Object	+5V2A

1. Condensation test

Testing procedure is as follows.

① Keeping and cooling the unit in a tank at -10℃ 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℃ 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- 1 0℃に冷却しておき、約1時間後に恒温槽から取り出し、室温2 5℃、湿度4 0 %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。

2. Values

Item	Data	Testing Conditions
Output Voltage [V]	5.012	Input Volt.: 100V, Load Current:2A
Line Regulation [mV]	1	Input Volt.: 85~100V, Load Current:2A
Load Regulation [mV]	7	Input Volt.: 100V, Load Current:0~2A

# COSEL

Model	R10A-5	Temperature	25℃
Item	Leakage Current 漏洩電流	Testing Circuitry	Figure B
Object	_____		

## 1. Results

Standards	Leakage Current [mA]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
(A) DENTORI	0.08	0.09	0.12
(B) IEC60950	0.08	0.09	0.12

## 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。

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

# COSEL

Model	R10A-5	Temperature Testing Circuitry	25°C Figure C
Item	Line Noise Tolerance 入力雑音耐量		
Object	+5V2A		

## 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 :1000 V  
 Pulse Cycle :10 mS  
 Pulse Input Duration:1 min. or more  
 Load :100 %

**COSEL**

Model	R10A-5	Temperature	25°C
Item	Conducted Emission 雑音端子電圧	Testing Circuitry	Figure D
Object			

## 1. Graph

Remarks

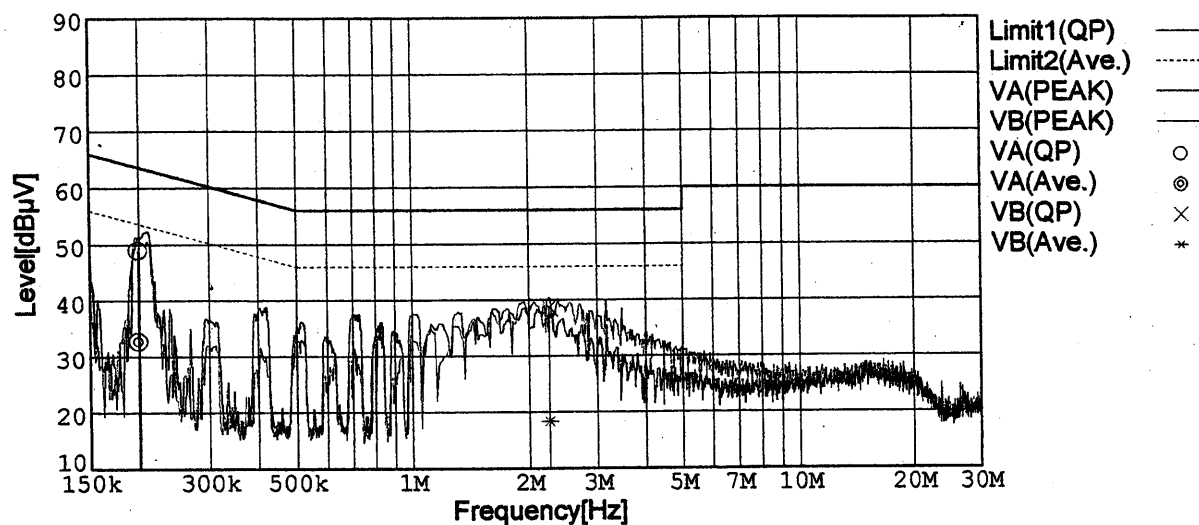
Input Volt. 100V ( VCCI Class B )

120V ( FCC Class B )

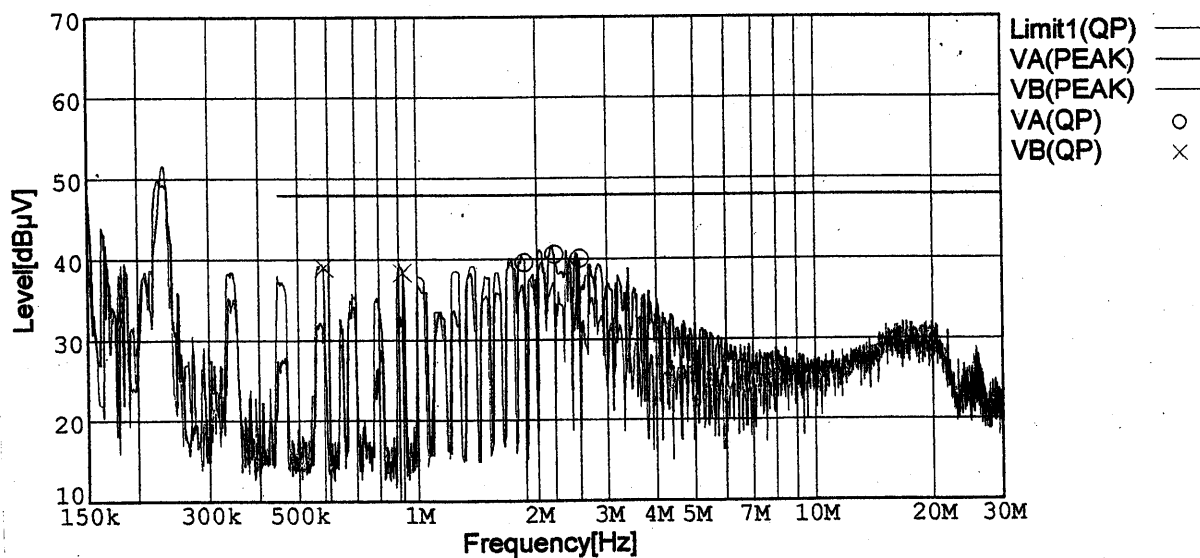
Load 100 %

Limit1: [VCCI] Class B(QP)

Limit2: [VCCI] Class B(Ave.)



Limit1: [FCC Part15] Class B



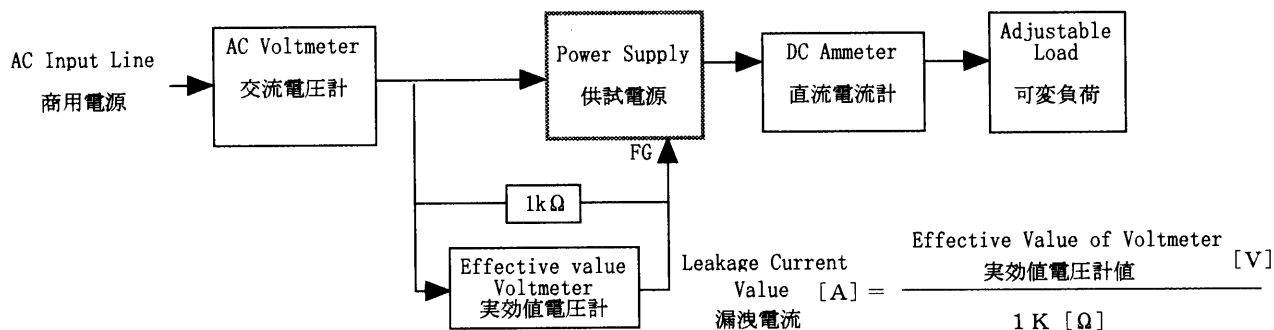
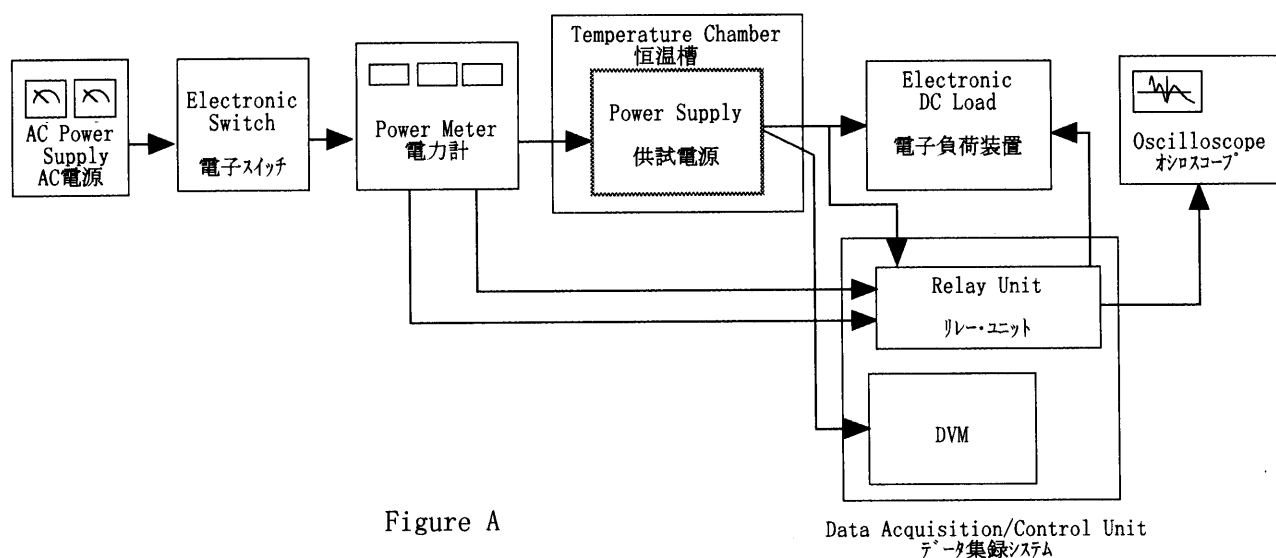


Figure B (DENTORI)

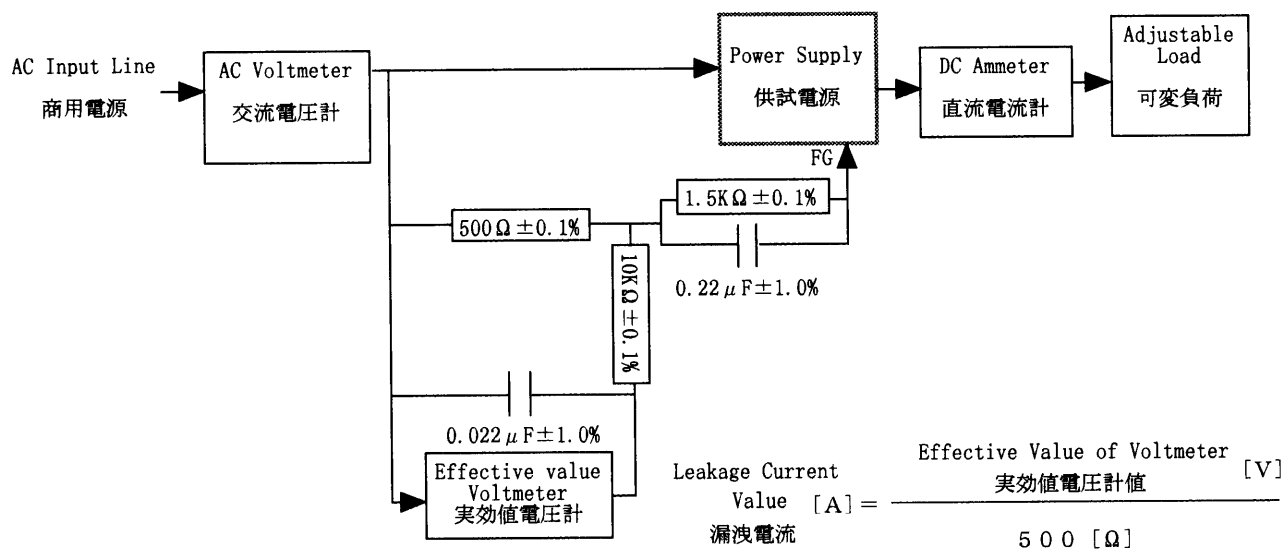


Figure B (IEC60950)

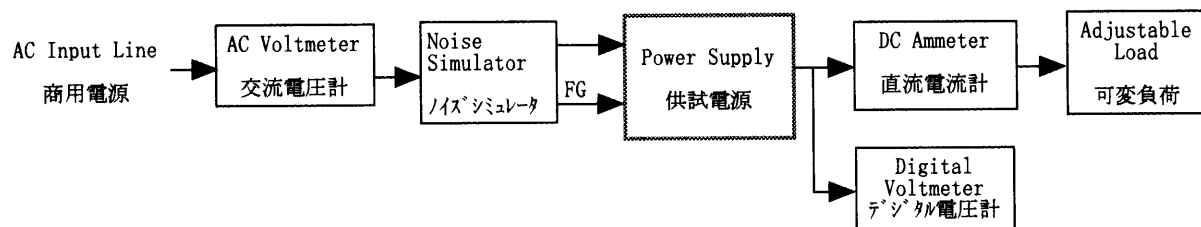


Figure C

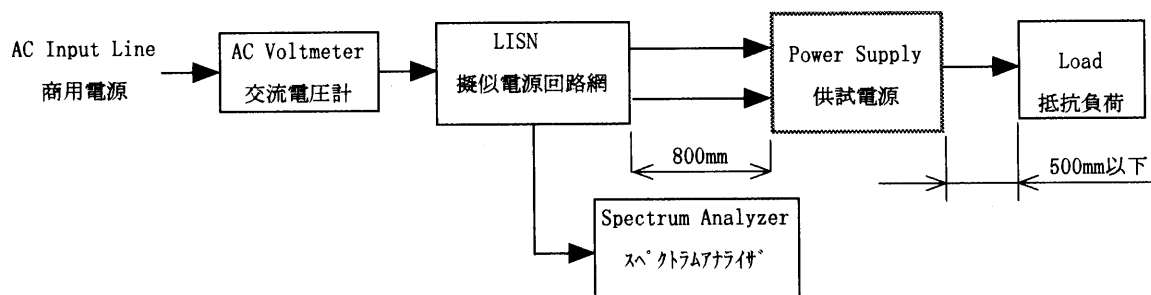


Figure D

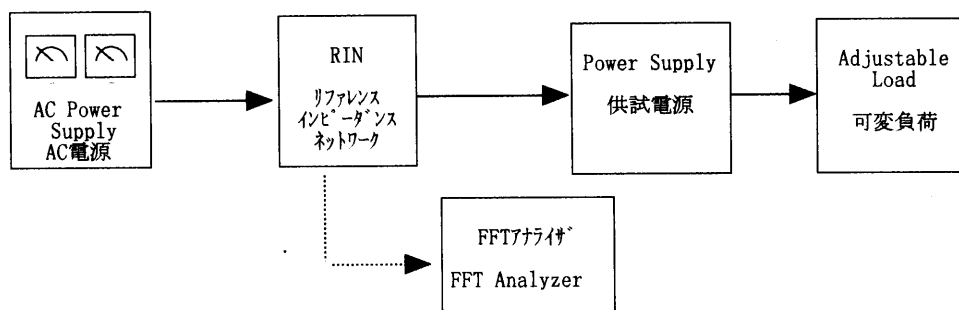


Figure E