



TEST DATA OF R15A-15
(100V INPUT)

Regulated DC Power Supply

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コーセル株式会社

COSEL CO., LTD.

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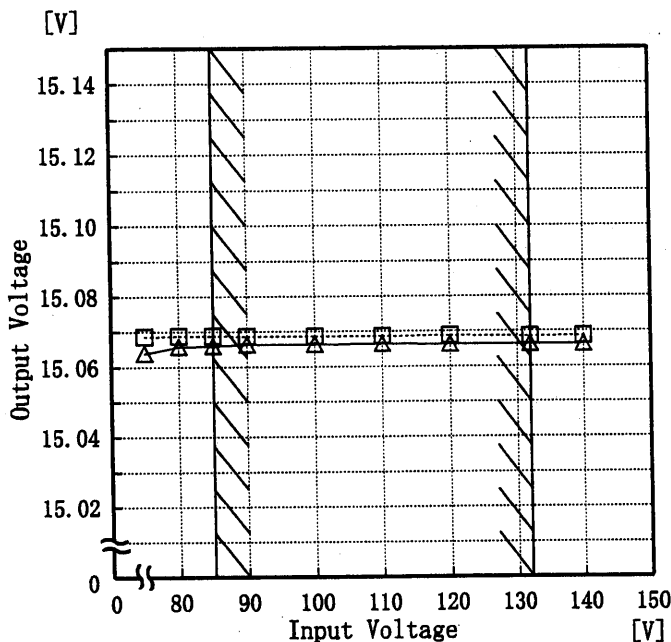
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Model	R15A-15
Item	Line Regulation 静的入力変動
Object	+15V1A

Temperature 25°C
Testing Circuitry Figure A

1. Graph

-----□----- Load 50%
-----△----- Load 100%



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。

2. Values

Input Voltage [V]	Load 50%	Load 100%
	Output Volt. [V]	Output Volt. [V]
75	15.069	15.064
80	15.069	15.066
85	15.069	15.066
90	15.069	15.066
100	15.069	15.066
110	15.069	15.067
120	15.069	15.066
132	15.069	15.066
140	15.069	15.066

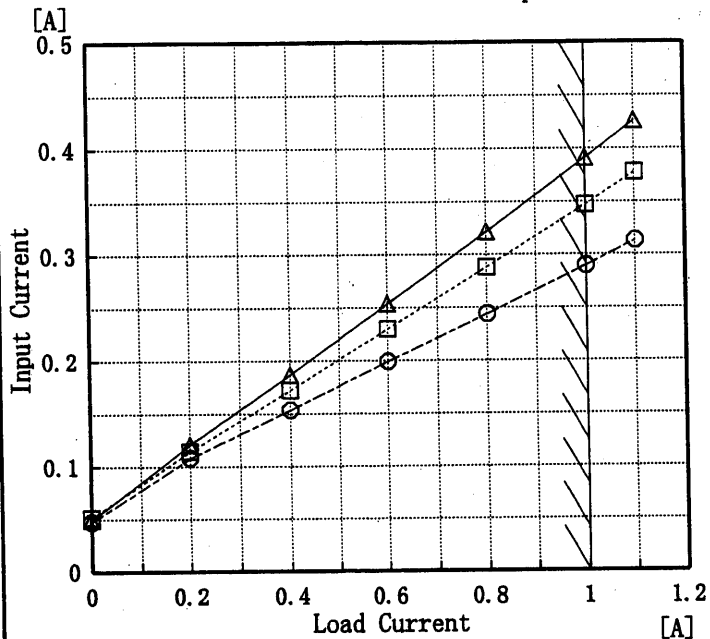
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Model	R15A-15
Item	Input Current (by Load Current) 入力電流 (負荷特性)
Output	—————

Temperature 25°C
Testing Circuitry Figure A

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	0.049	0.052	0.048
0.2	0.121	0.115	0.108
0.4	0.187	0.172	0.154
0.6	0.254	0.230	0.199
0.8	0.322	0.288	0.244
1.0	0.391	0.347	0.290
1.1	0.426	0.378	0.313

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Model		R15A-15		Temperature		25°C																																				
Item		Input Power (by Load Current) 入力電力 (負荷特性)		Testing Circuitry		Figure A																																				
Output		_____																																								
1. Graph				2. Values																																						
<p> Δ — Input Volt. 85V \square — Input Volt. 100V \ominus — Input Volt. 132V </p>				<table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</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> </thead> <tbody> <tr> <td>0.0</td> <td>1.78</td> <td>2.15</td> <td>2.44</td> </tr> <tr> <td>0.2</td> <td>5.26</td> <td>5.59</td> <td>6.54</td> </tr> <tr> <td>0.4</td> <td>8.72</td> <td>9.05</td> <td>9.87</td> </tr> <tr> <td>0.6</td> <td>12.24</td> <td>12.48</td> <td>13.23</td> </tr> <tr> <td>0.8</td> <td>15.90</td> <td>16.02</td> <td>16.62</td> </tr> <tr> <td>1.0</td> <td>19.61</td> <td>19.62</td> <td>20.05</td> </tr> <tr> <td>1.1</td> <td>21.49</td> <td>21.49</td> <td>21.84</td> </tr> </tbody> </table>				Load Current [A]	Input Power [W]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.0	1.78	2.15	2.44	0.2	5.26	5.59	6.54	0.4	8.72	9.05	9.87	0.6	12.24	12.48	13.23	0.8	15.90	16.02	16.62	1.0	19.61	19.62	20.05	1.1	21.49	21.49	21.84
Load Current [A]	Input Power [W]																																									
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																							
0.0	1.78	2.15	2.44																																							
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1.1	21.49	21.49	21.84																																							
<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>																																										

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Model		R15A-15																																	
Item		Efficiency 効率																																	
Object		Temperature 25°C Testing Circuitry Figure A																																	
1. Graph		2. Values																																	
<p>Legend: - - - □ - - - Load 50% — — △ — — Load 100%</p>		<table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th> <th>Load 50%</th> <th>Load 100%</th> </tr> <tr> <th>Efficiency [%]</th> <th>Efficiency [%]</th> </tr> </thead> <tbody> <tr><td>75</td><td>74.5</td><td>77.5</td></tr> <tr><td>80</td><td>73.9</td><td>78.0</td></tr> <tr><td>85</td><td>73.4</td><td>78.2</td></tr> <tr><td>90</td><td>72.7</td><td>78.3</td></tr> <tr><td>100</td><td>71.3</td><td>78.0</td></tr> <tr><td>110</td><td>69.7</td><td>77.6</td></tr> <tr><td>120</td><td>67.9</td><td>77.0</td></tr> <tr><td>132</td><td>65.8</td><td>76.1</td></tr> <tr><td>140</td><td>64.4</td><td>75.4</td></tr> </tbody> </table>		Input Voltage [V]	Load 50%	Load 100%	Efficiency [%]	Efficiency [%]	75	74.5	77.5	80	73.9	78.0	85	73.4	78.2	90	72.7	78.3	100	71.3	78.0	110	69.7	77.6	120	67.9	77.0	132	65.8	76.1	140	64.4	75.4
Input Voltage [V]	Load 50%	Load 100%																																	
	Efficiency [%]	Efficiency [%]																																	
75	74.5	77.5																																	
80	73.9	78.0																																	
85	73.4	78.2																																	
90	72.7	78.3																																	
100	71.3	78.0																																	
110	69.7	77.6																																	
120	67.9	77.0																																	
132	65.8	76.1																																	
140	64.4	75.4																																	
<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>																																			

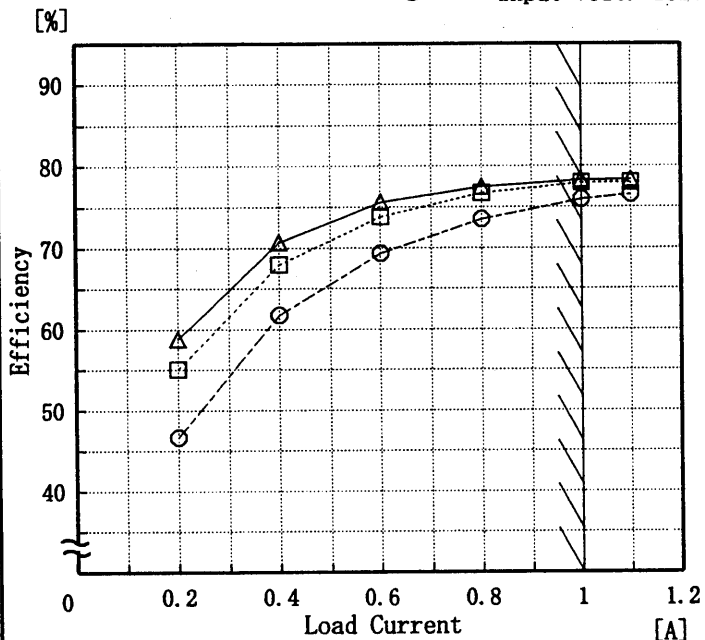


Model	R15A-15
Item	Efficiency (by Load Current) 効率 (負荷電流特性)
Output	_____

Temperature 25°C
Testing Circuitry Figure A

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

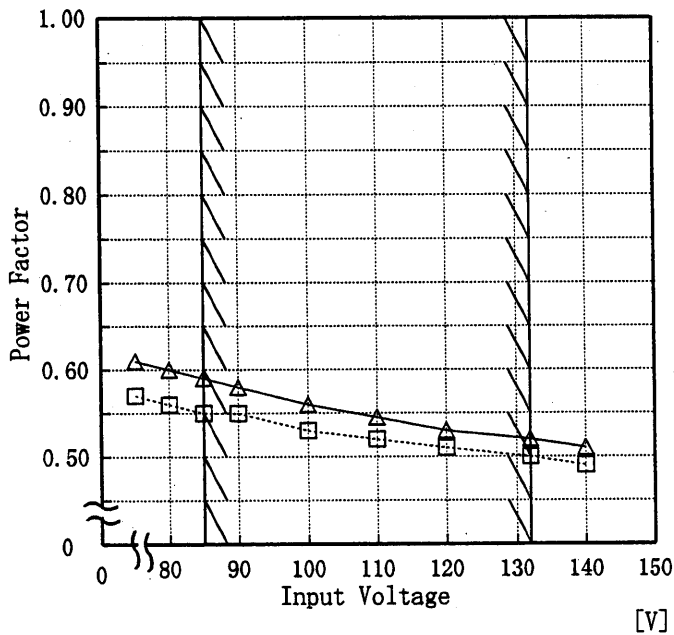
Load Current [A]	Efficiency [%]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.2	58.8	55.0	46.7
0.4	70.7	67.9	61.8
0.6	75.6	73.8	69.3
0.8	77.5	76.7	73.5
1.0	78.3	77.9	75.9
1.1	78.3	78.0	76.6
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—



Model	R15A-15
Item	Power Factor (by Input Voltage) 力率 (入力電圧特性)
Object	_____

Temperature 25°C
Testing Circuitry Figure A

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



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。

2. Values

Input Voltage [V]	load 50%	load 100%
	Power Factor	Power Factor
75	0.57	0.61
80	0.56	0.60
85	0.55	0.59
90	0.55	0.58
100	0.53	0.56
110	0.52	0.55
120	0.51	0.53
132	0.50	0.52
140	0.49	0.51

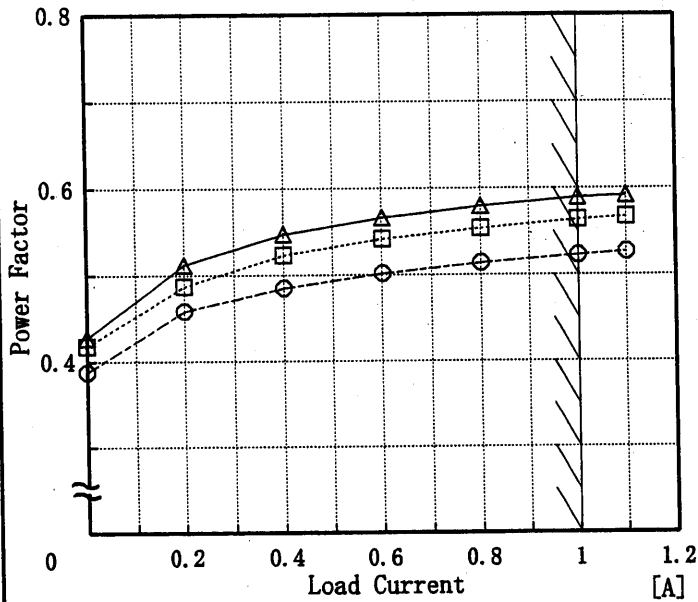


Model	R15A-15
Item	Power Factor (by Load Current) 力率 (負荷電流特性)
Output	_____

Temperature 25°C
Testing Circuitry Figure A

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

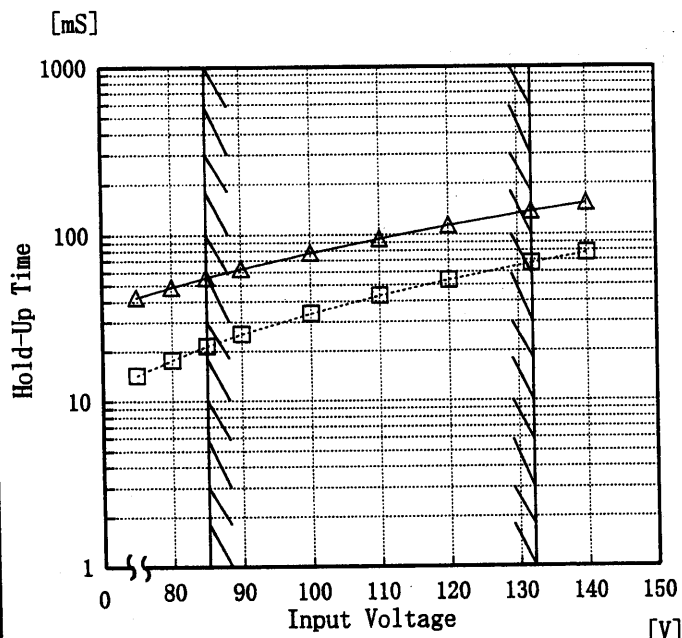
Load Current [A]	Power Factor		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
—	0.43	0.42	0.39
0.2	0.51	0.49	0.46
0.4	0.55	0.52	0.49
0.6	0.57	0.54	0.50
0.8	0.58	0.55	0.51
1.0	0.59	0.56	0.52
1.1	0.59	0.57	0.53



Model	R15A-15
Item	Hold-Up Time 出力保持時間
Object	+15V1A

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	14
80	49	18
85	55	21
90	63	25
100	78	34
110	95	43
120	113	54
132	137	67
140	154	77

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。

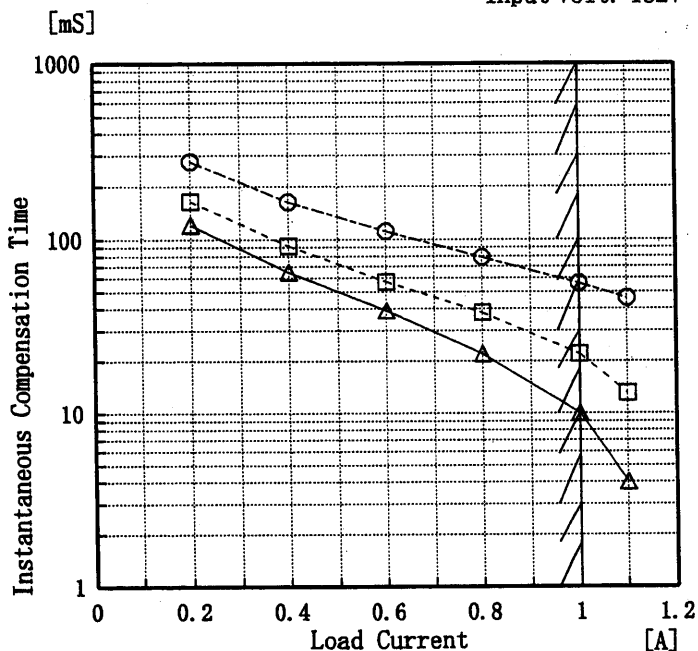


Model	R15A-15
Item	Instantaneous Interruption Compensation 瞬時停電保障
Object	+15V1A

Testing Circuitry Figure A

1. Graph

—△— Input Volt. 85V
 - - -□- - - Input Volt. 100V
 —○— Input Volt. 132V



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。

2. Values

Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
	Time [mS]		
0.0	—	—	—
0.2	121	165	277
0.4	65	92	164
0.6	39	57	111
0.8	22	38	79
1.0	10	22	56
1.1	4	13	46

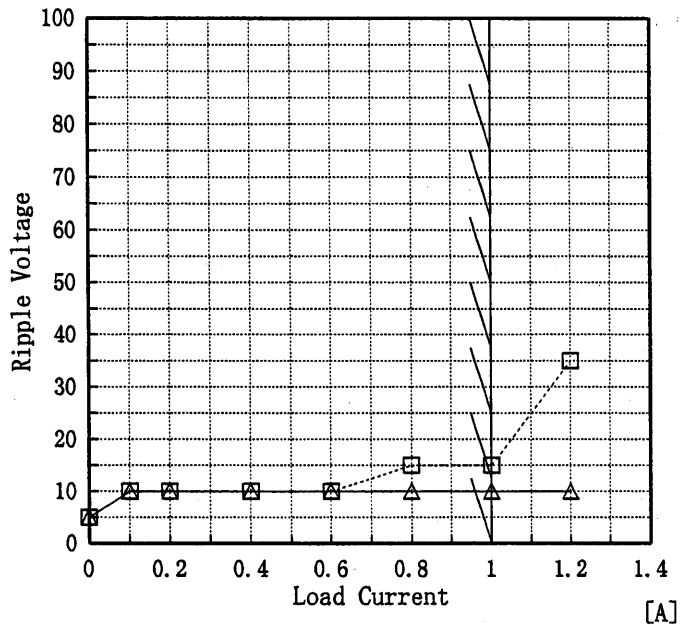


Model		R15A-15		Temperature		25°C																																												
Item		Load Regulation 静的負荷変動		Testing Circuitry		Figure A																																												
Object		+15V1A																																																
1. Graph				2. Values																																														
		—△— Input Volt. 85V - - -□- - - Input Volt. 100V —○— Input Volt. 132V																																																
[V] 15.21 15.17 15.13 15.09 15.05 15.01 14.97 0				<table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</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> <tr> <td></td> <th>Output</th> <th>Output</th> <th>Output</th> </tr> <tr> <td></td> <th>Volt. [V]</th> <th>Volt. [V]</th> <th>Volt. [V]</th> </tr> </thead> <tbody> <tr> <td>0.0</td> <td>15.073</td> <td>15.073</td> <td>15.071</td> </tr> <tr> <td>0.2</td> <td>15.071</td> <td>15.071</td> <td>15.071</td> </tr> <tr> <td>0.4</td> <td>15.070</td> <td>15.070</td> <td>15.070</td> </tr> <tr> <td>0.6</td> <td>15.069</td> <td>15.069</td> <td>15.069</td> </tr> <tr> <td>0.8</td> <td>15.069</td> <td>15.069</td> <td>15.068</td> </tr> <tr> <td>1.0</td> <td>15.067</td> <td>15.068</td> <td>15.068</td> </tr> <tr> <td>1.1</td> <td>15.066</td> <td>15.067</td> <td>15.067</td> </tr> </tbody> </table>				Load Current [A]	Input Volt.	Input Volt.	Input Volt.	85[V]	100[V]	132[V]		Output	Output	Output		Volt. [V]	Volt. [V]	Volt. [V]	0.0	15.073	15.073	15.071	0.2	15.071	15.071	15.071	0.4	15.070	15.070	15.070	0.6	15.069	15.069	15.069	0.8	15.069	15.069	15.068	1.0	15.067	15.068	15.068	1.1	15.066	15.067	15.067
Load Current [A]	Input Volt.	Input Volt.	Input Volt.																																															
	85[V]	100[V]	132[V]																																															
	Output	Output	Output																																															
	Volt. [V]	Volt. [V]	Volt. [V]																																															
0.0	15.073	15.073	15.071																																															
0.2	15.071	15.071	15.071																																															
0.4	15.070	15.070	15.070																																															
0.6	15.069	15.069	15.069																																															
0.8	15.069	15.069	15.068																																															
1.0	15.067	15.068	15.068																																															
1.1	15.066	15.067	15.067																																															
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。																																																		

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Model	R15A-15	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	+15V1A		

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	5	5
0.1	10	10
0.2	10	10
0.4	10	10
0.6	10	10
0.8	15	10
1.0	15	10
1.2	35	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

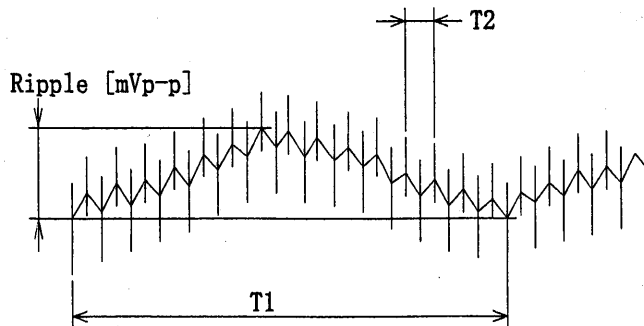
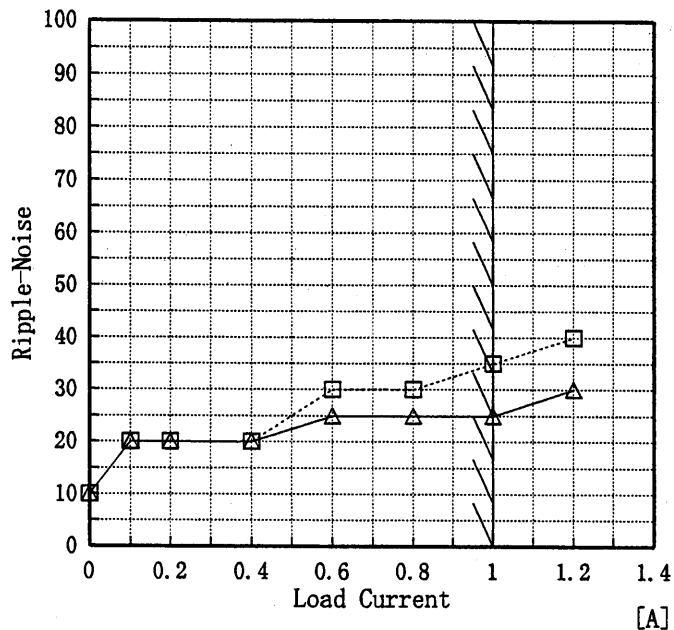


Fig. Complex Ripple Wave Form
 図 リップル波形詳細図

Model	R15A-15
Item	Ripple-Noise リップルノイズ
Object	+15V1A

Temperature 25°C
Testing Circuitry Figure A

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



2. Values

Load current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple-Noise [mV]	Ripple-Noise [mV]
0.0	10	10
0.1	20	20
0.2	20	20
0.4	20	20
0.6	30	25
0.8	30	25
1.0	35	25
1.2	40	30

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

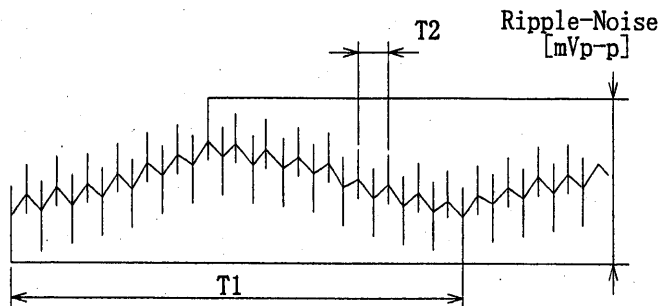


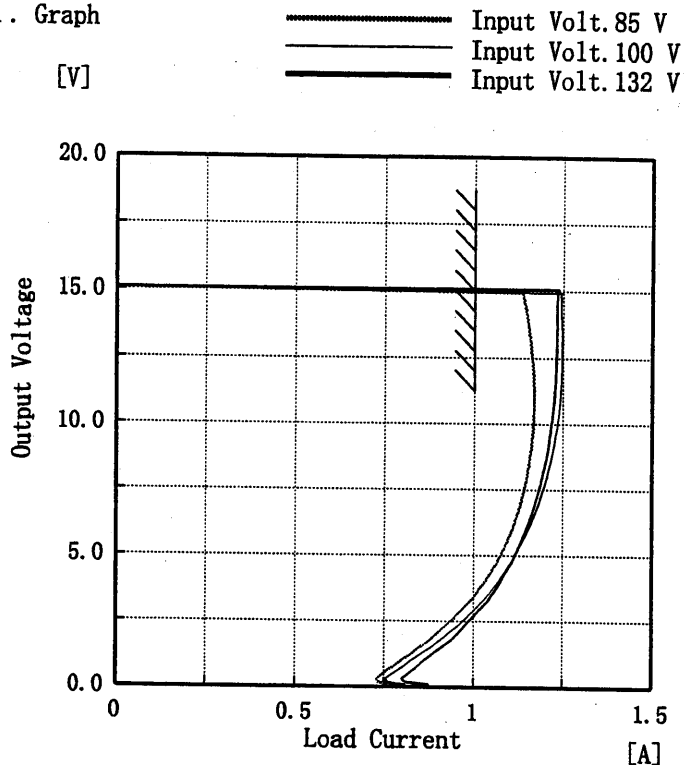
Fig. Complex Ripple Wave Form
図 リップル波形詳細図

COSEL

Model	R15A-15
Item	Overcurrent Protection 過電流保護
Object	+15V1A

Temperature 25°C
Testing Circuitry Figure A

1. Graph



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

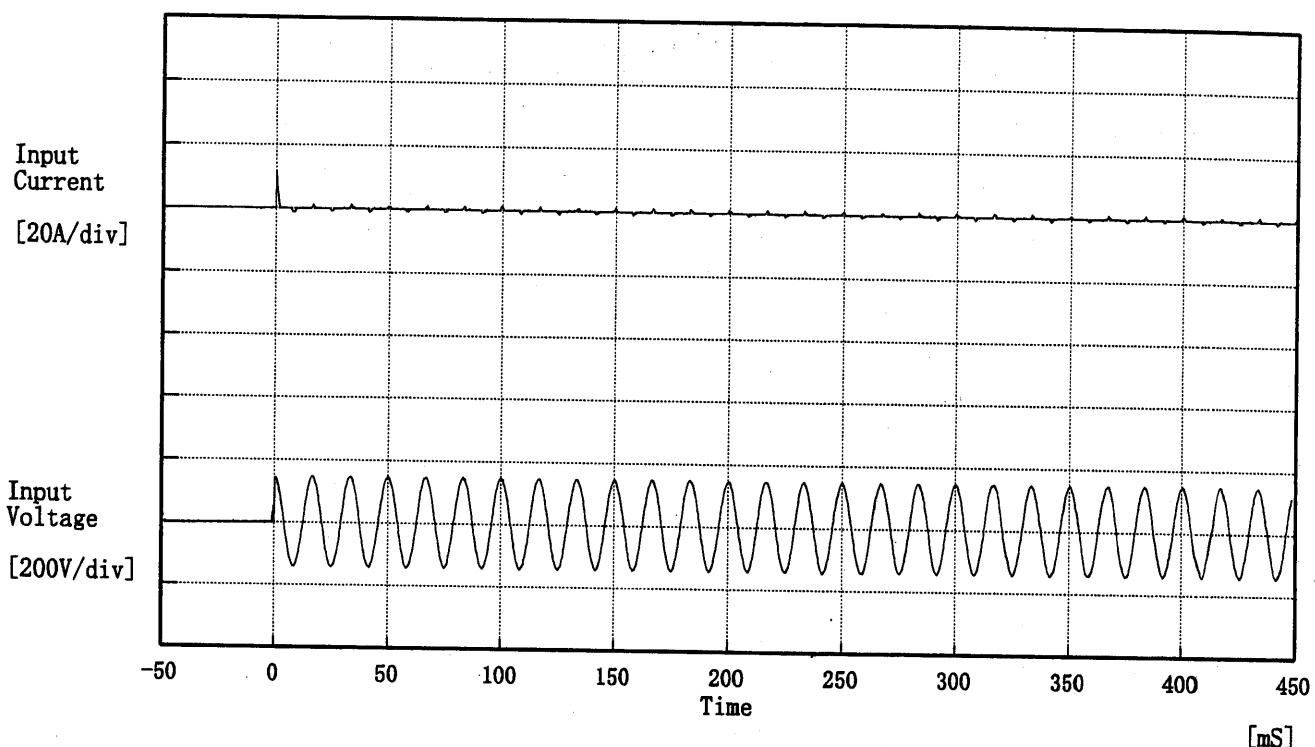
(注)斜線は定格負荷電流範囲を示す。

2. Values

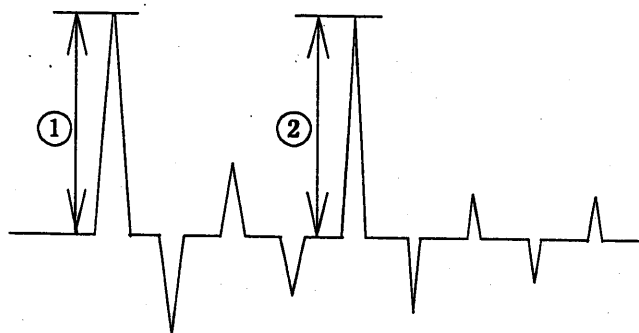
Output Voltage [V]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
	Load Current [A]	Load Current [A]	Load Current [A]
15.00	1.13	1.24	1.23
14.25	1.14	1.24	1.23
13.50	1.15	1.25	1.23
12.00	1.16	1.25	1.23
10.50	1.17	1.24	1.22
9.00	1.16	1.22	1.21
7.50	1.14	1.19	1.18
6.00	1.11	1.15	1.15
4.50	1.05	1.09	1.10
3.00	0.97	1.01	1.02
1.50	0.86	0.89	0.92
0.00	0.78	0.81	0.88

COSEL

Model	R15A-15	Temperature 25°C Testing Circuitry Figure A
Item	Inrush Current 突入電流	
Object	_____	



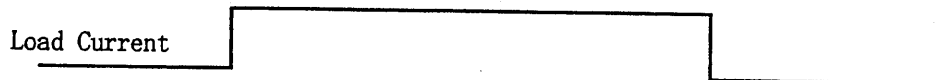
Input Voltage 100 V
 Frequency 60 Hz
 Load 100 %
 Inrush Current
 ① 11.24 [A]
 ② 1.24 [A]



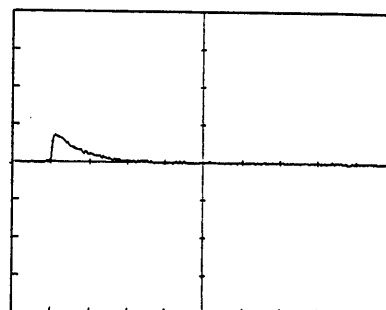
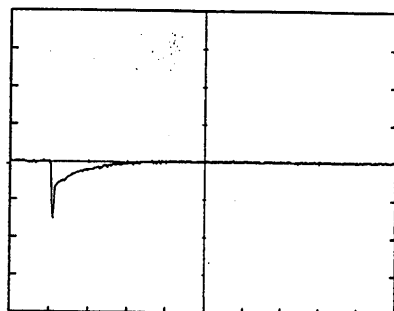
COSEL

Model	R15A-15	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+15V1A	

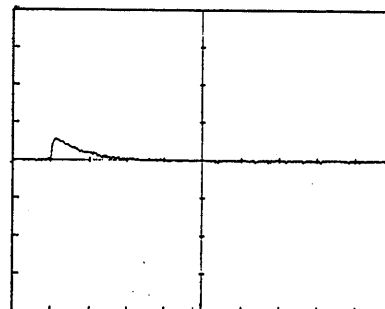
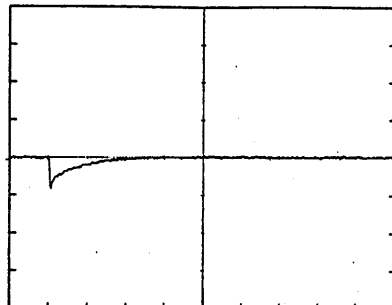
Input Volt. 100 V
Cycle 1000 mS



Load 0% ↔
Load 100 %



Load 0% ↔
Load 50 %



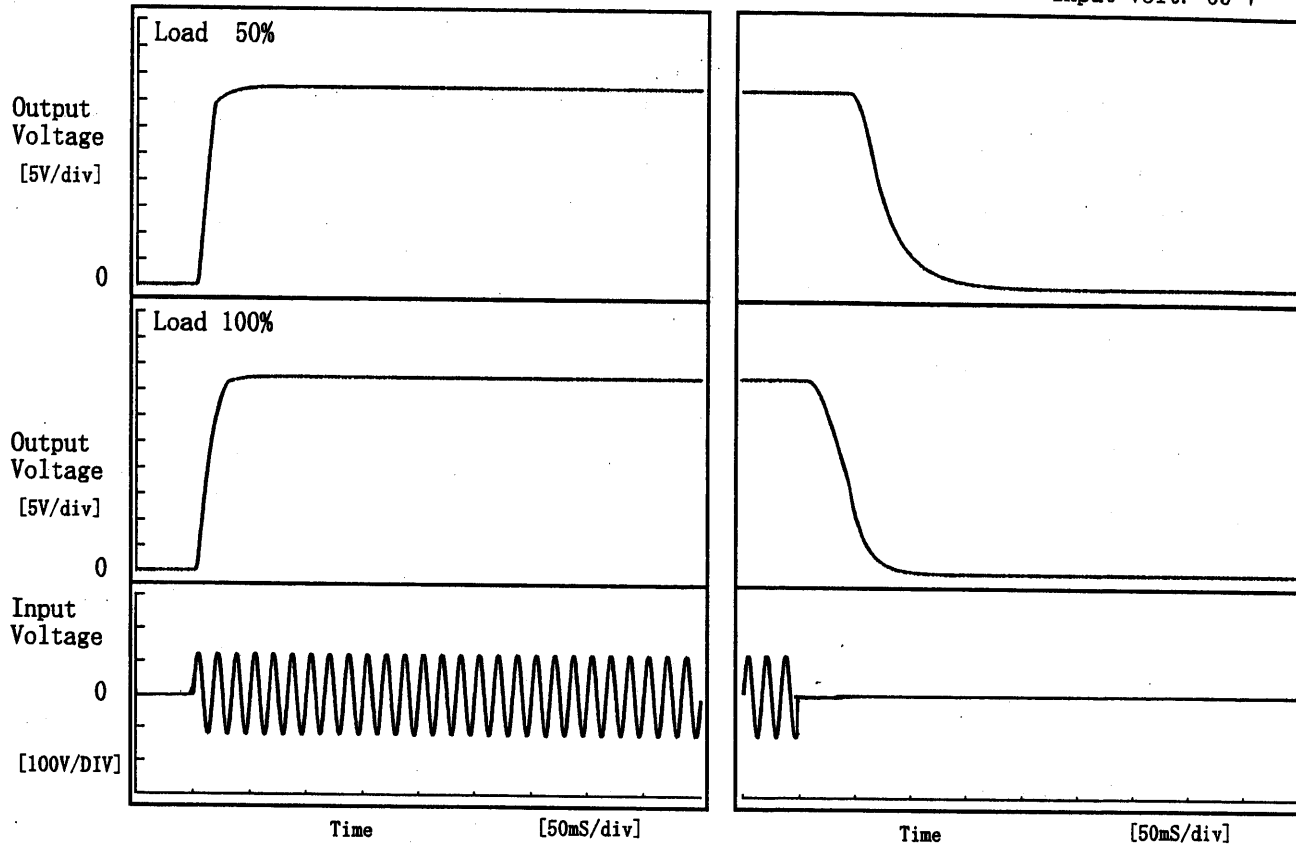
200 mV/div

20 mS/div

COSEL

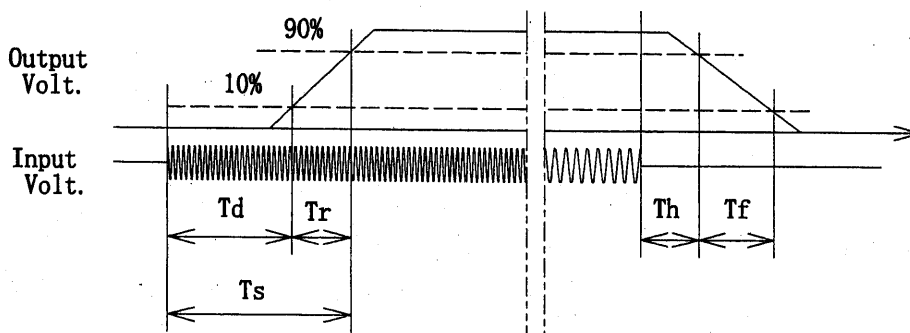
Model	R15A-15	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+15V1A		

1. Graph



2. Values

		[mS]				
Load	Time	T d	T r	T s	T h	T f
50 %		4.3	13.0	17.3	55.0	62.5
100 %		4.0	20.3	24.3	20.8	47.3



COSEL

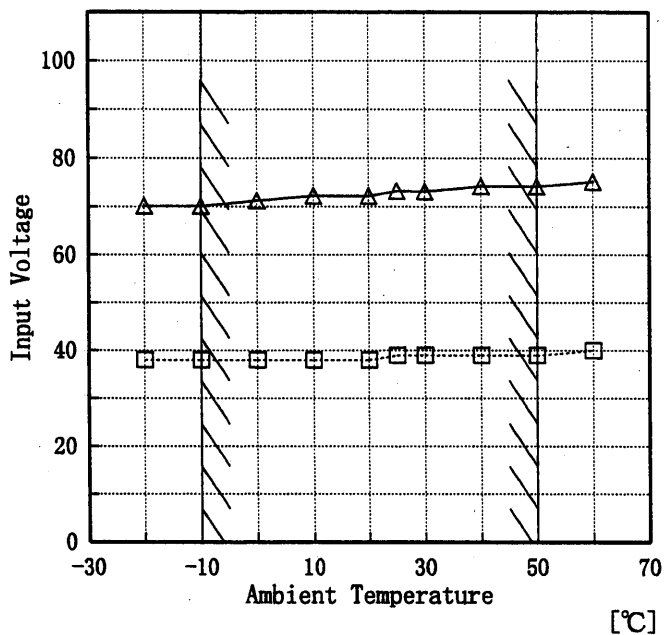
Model		R15A-15		Testing Circuitry Figure A																																														
Item		Ambient Temperature Drift 周囲温度変動																																																
Object		+15V1A																																																
1. Graph				2. Values																																														
<p> △ Input Volt. 85V □ Input Volt. 100V ○ Input Volt. 132V </p> <p style="text-align: center;">Load 100%</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>				<table border="1"> <thead> <tr> <th>Temperature [°C]</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>-20</td><td>15.059</td><td>15.060</td><td>15.060</td></tr> <tr><td>-10</td><td>15.061</td><td>15.062</td><td>15.062</td></tr> <tr><td>0</td><td>15.062</td><td>15.063</td><td>15.063</td></tr> <tr><td>10</td><td>15.062</td><td>15.063</td><td>15.063</td></tr> <tr><td>20</td><td>15.064</td><td>15.064</td><td>15.064</td></tr> <tr><td>25</td><td>15.064</td><td>15.065</td><td>15.065</td></tr> <tr><td>30</td><td>15.066</td><td>15.067</td><td>15.067</td></tr> <tr><td>40</td><td>15.062</td><td>15.063</td><td>15.063</td></tr> <tr><td>50</td><td>15.058</td><td>15.058</td><td>15.058</td></tr> <tr><td>60</td><td>15.048</td><td>15.048</td><td>15.048</td></tr> </tbody> </table>			Temperature [°C]	Input Volt. 85[V] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]	-20	15.059	15.060	15.060	-10	15.061	15.062	15.062	0	15.062	15.063	15.063	10	15.062	15.063	15.063	20	15.064	15.064	15.064	25	15.064	15.065	15.065	30	15.066	15.067	15.067	40	15.062	15.063	15.063	50	15.058	15.058	15.058	60	15.048	15.048	15.048
Temperature [°C]	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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50	15.058	15.058	15.058																																															
60	15.048	15.048	15.048																																															



Model	R15A-15
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+15V1A

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

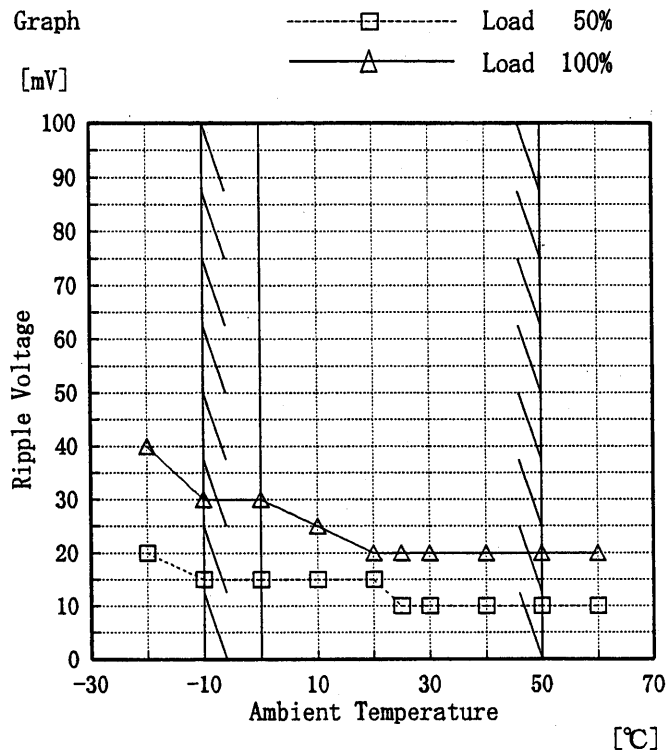
Ambient Temp. [°C]	Load 50%	Load 100%
	Input Volt. [V]	Input Volt. [V]
-20	38	70
-10	38	70
0	38	71
10	38	72
20	38	72
25	39	73
30	39	73
40	39	74
50	39	74
60	40	75



Model	R15A-15
Item	Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)
Object	+15V1A

Testing Circuitry Figure A

1. Graph



Input Volt. 85 V

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%
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
-20	20	40
-10	15	30
0	15	30
10	15	25
20	15	20
25	10	20
30	10	20
40	10	20
50	10	20
60	10	20

COSEL

Model		R15A-15	Temperature 25 °C Testing Circuitry Figure A																						
Item		Time Lapse Drift 経時ドリフト																							
Object		+15V1A																							
1. Graph		2. Values																							
<p>[V]</p> <p>Output Voltage [V]</p> <p>Time [H]</p> <p>Input Volt. 100V Load 100%</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>15.050</td></tr> <tr><td>0.5</td><td>15.050</td></tr> <tr><td>1.0</td><td>15.050</td></tr> <tr><td>2.0</td><td>15.050</td></tr> <tr><td>3.0</td><td>15.050</td></tr> <tr><td>4.0</td><td>15.050</td></tr> <tr><td>5.0</td><td>15.050</td></tr> <tr><td>6.0</td><td>15.050</td></tr> <tr><td>7.0</td><td>15.050</td></tr> <tr><td>8.0</td><td>15.050</td></tr> </tbody> </table>		Time since start [H]	Output Voltage [V]	0.0	15.050	0.5	15.050	1.0	15.050	2.0	15.050	3.0	15.050	4.0	15.050	5.0	15.050	6.0	15.050	7.0	15.050	8.0	15.050
Time since start [H]	Output Voltage [V]																								
0.0	15.050																								
0.5	15.050																								
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5.0	15.050																								
6.0	15.050																								
7.0	15.050																								
8.0	15.050																								



Model		R15A-15	Testing Circuitry Figure A
Item		Output Voltage Accuracy 定電圧精度	
Object		+15V1A	

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 : 0.00~1.00 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 0.00~1.00 A

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

* 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	15.071	±7	±0.1
Minimum Voltage	50	132	1.00	15.057		

COSEL

Model		R15A-15		Temperature		25°C																																				
Item		Oscillator Frequency 発振周波数		Testing Circuitry		Figure A																																				
Object		+15V1A																																								
1. Graph				2. Values																																						
<p> Δ ——— Input Volt. 85 V \square - - - - - Input Volt. 100 V \circ ——— Input Volt. 132 V </p> <p style="text-align: center;">Oscillator Frequency [KHz]</p> <p style="text-align: center;">Load Current [A]</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>0.1</td><td>225</td><td>244</td><td>254</td></tr> <tr><td>0.2</td><td>186</td><td>201</td><td>220</td></tr> <tr><td>0.4</td><td>142</td><td>154</td><td>174</td></tr> <tr><td>0.6</td><td>108</td><td>125</td><td>147</td></tr> <tr><td>0.8</td><td>88</td><td>104</td><td>121</td></tr> <tr><td>1.0</td><td>80</td><td>93</td><td>107</td></tr> <tr><td>1.2</td><td>69</td><td>77</td><td>93</td></tr> </tbody> </table>				Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	Oscillator Frequency [KHz]			0.1	225	244	254	0.2	186	201	220	0.4	142	154	174	0.6	108	125	147	0.8	88	104	121	1.0	80	93	107	1.2	69	77	93
Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																							
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0.6	108	125	147																																							
0.8	88	104	121																																							
1.0	80	93	107																																							
1.2	69	77	93																																							
<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>																																										



Model		R15A-15	Testing Circuitry Figure A
Item		Condensation 結露特性	
Object		+15V1A	

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.
- ④ Repeating ①, ② and ③ three times.

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3度行い、異常のないことを確認する。

2. Values

	Times	Output Voltage [V]	Ripple Voltage [mV]	Ripple Noise [mV]
Load 50 %	1	15.030	15	20
	2	15.030	15	20
	3	15.030	15	20
Load 100 %	1	15.030	15	30
	2	15.030	15	30
	3	15.030	15	30

Input Volt. 100 V



Model		R15A-15	Testing Circuitry Figure B
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	0.20	0.20	0.21
(B) UL	0.20	0.20	0.21
(C) C S A	0.20	0.20	0.21

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

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		R15A-15	Testing Circuitry Figure C
Item		Line Noise Tolerance 入力雑音耐量	
Object		+15V1A	

1. Results

Pulse Width [n S]	MODE	Operating Point of Overvoltage Protection [V] 過電圧保護動作値	DC-like Regulation of Output Voltage 出力電圧の直流的変動
50	COMMON	-	no regulation
	NORMAL	-	no regulation
1000	COMMON	-	no regulation
	NORMAL	-	no regulation

Conditions

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

Model	R15A-15	Testing Circuitry Figure D
Item	Conducted Emission 雑音端子電圧	
Object	_____	

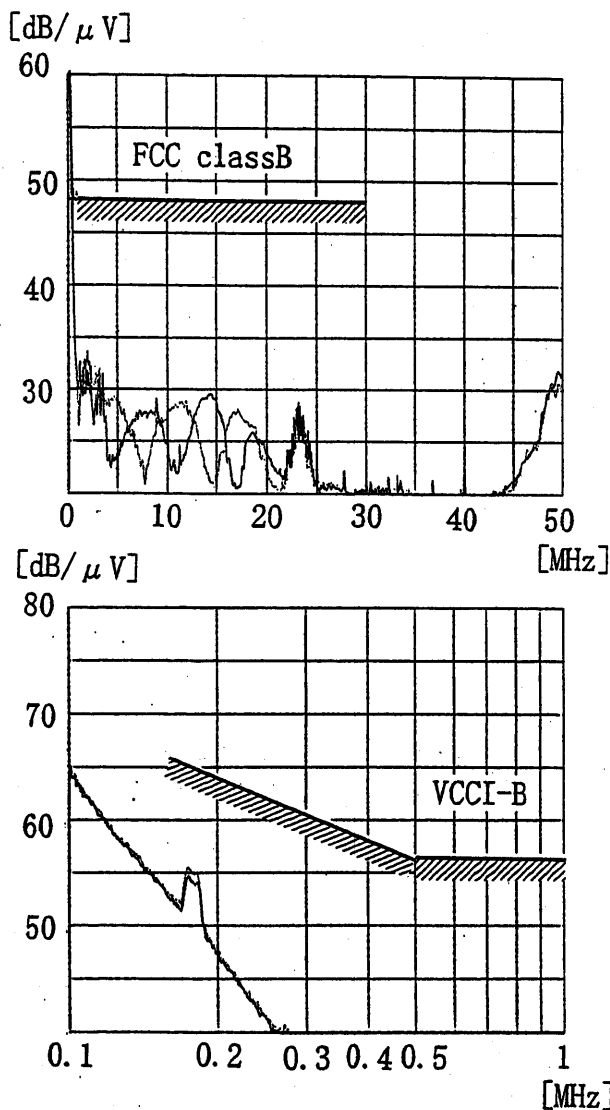
1. Graph

Remarks

Input Volt. 100V (VCCI -B)
120V (FCC classB)
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 -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



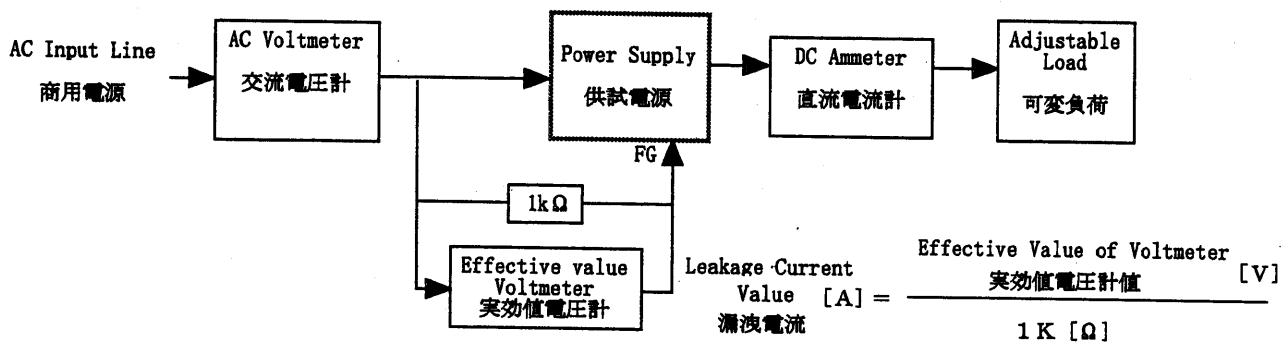
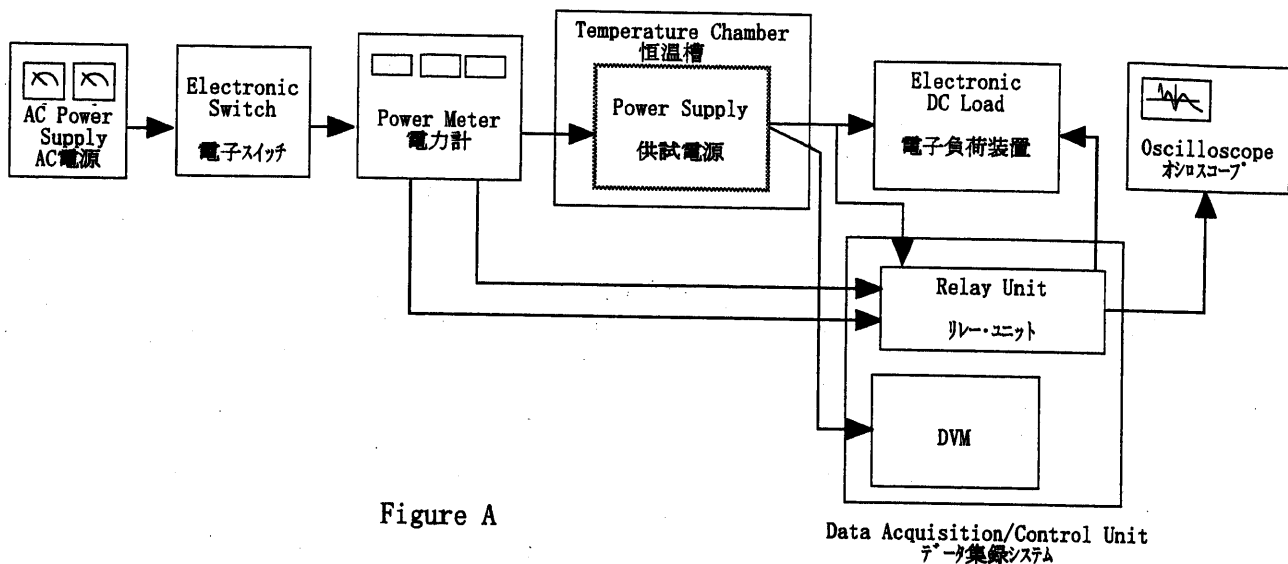


Figure B (DENTORI)

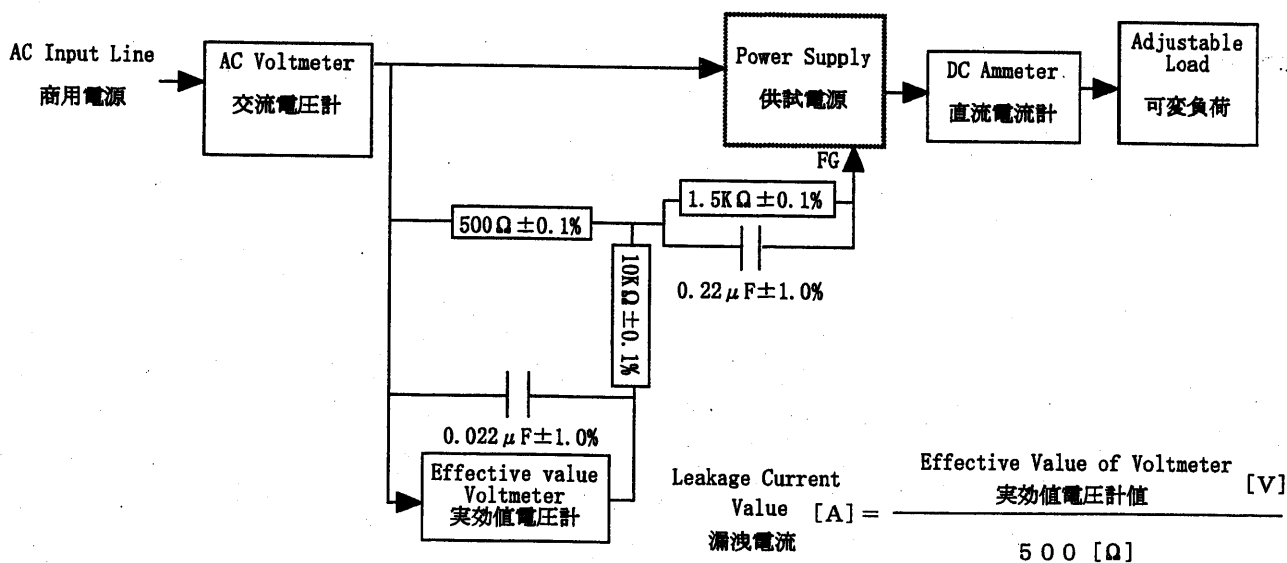


Figure B (UL, CSA, VDE)

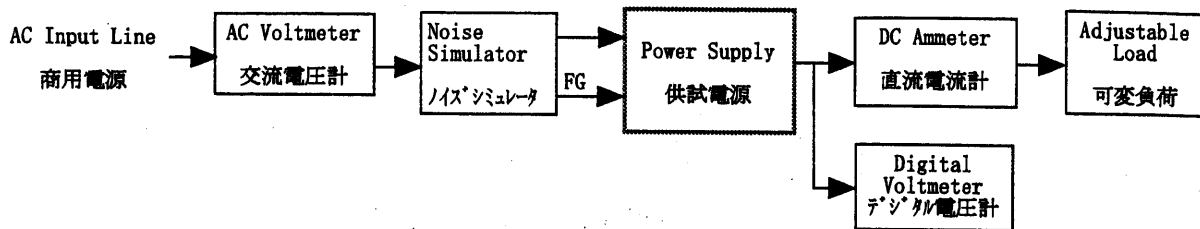


Figure C

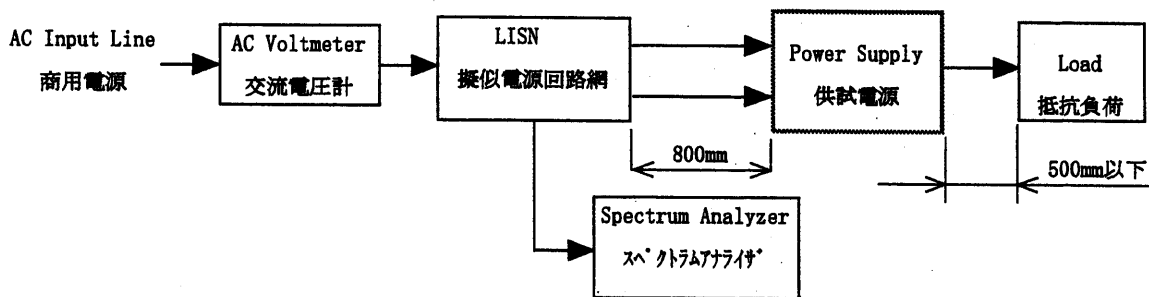


Figure D

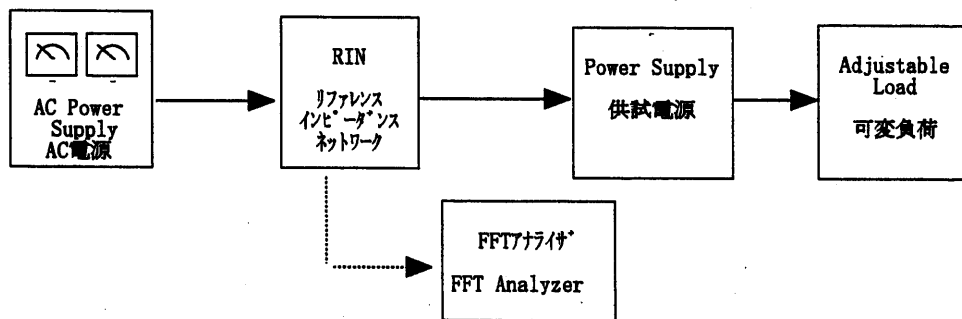


Figure E