



TEST DATA OF YW515A

(100V INPUT)

Regulated DC Power Supply

Oct. 1, 1999

Approved by : *Keiichi Takashina*
Design Manager

Prepared by : *Yuichi Takahashi*
Design Engineer

コーセル株式会社
COSEL CO., LTD.

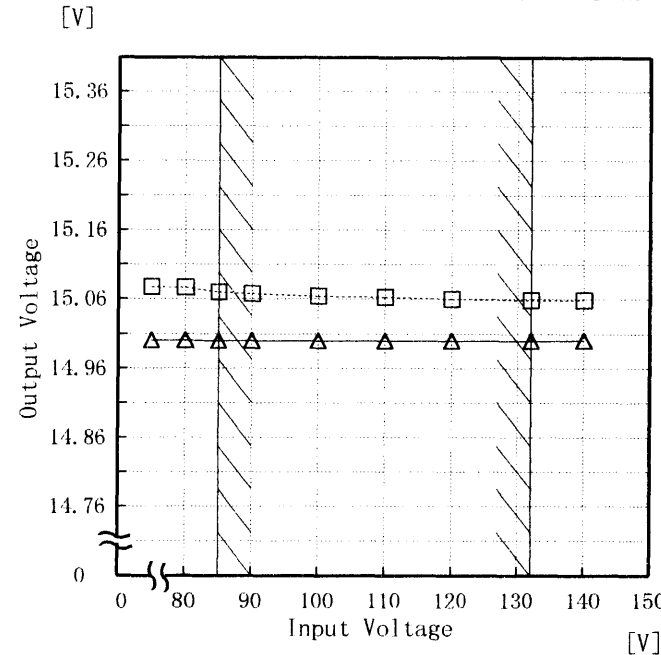
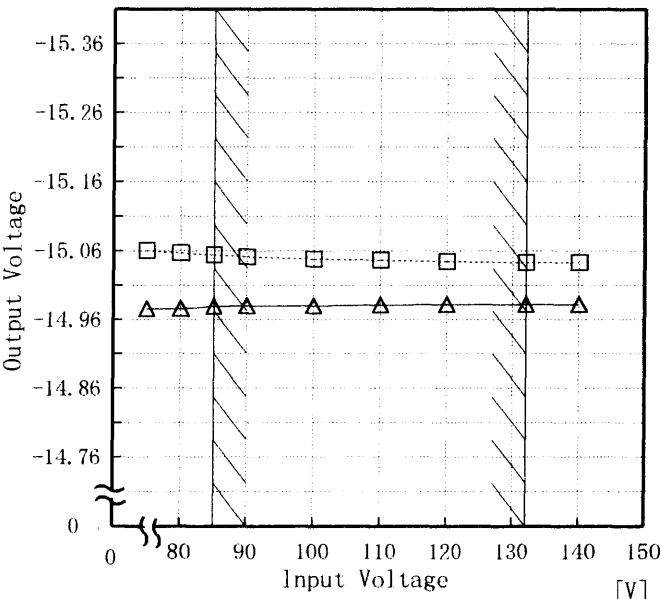


CONTENTS

1. Line Regulation	1
静的入力変動	
2. Input Current (by Load Current)	2
入力電流 (負荷特性)	
3. Input Power (by Load Current)	3
入力電力 (負荷特性)	
4. Efficiency (by Input Voltage)	4
効率 (入力電圧特性)	
5. Efficiency (by Load Current)	5
効率 (負荷特性)	
6. Power Factor (by Input Voltage)	6
力率 (入力電圧特性)	
7. Power Factor (by Load Current)	7
力率 (負荷特性)	
8. Hold-Up Time	8
出力保持時間	
9. Instantaneous Interruption Compensation	10
瞬時停電保障	
10. Load Regulation	12
静的負荷変動	
11. Ripple Voltage (by Load Current)	13
リップル電圧 (負荷特性)	
12. Ripple-Noise	15
リップルノイズ	
13. Overcurrent Protection	17
過電流保護	
14. Inrush Current	18
突入電流	
15. Dynamic Load Responce	19
動的負荷変動	
16. Rise and Fall Time	21
立上り、立下り時間	
17. Ambient Temperature Drift	23
周囲温度変動	
18. Minimum Input Voltage for Regulated Output Voltage	24
最低レギュレーション電圧	
19. Ripple Voltage (by Ambient Temperature)	25
リップル電圧 (周囲温度特性)	
20. Time Lapse Drift	26
経時ドリフト	
21. Output Voltage Accuracy	27
定電圧精度	
22. Oscillator Frequency	28
発振周波数	
23. Condensation	29
結露特性	
24. Leakage Current	30
漏洩電流	
25. Line Noise Tolerance	31
入力雑音耐量	
26. Conducted Emission	32
雑音端子電圧	
27. Figure of Testing Circuitry	33
測定回路図	

(Final Page 34)

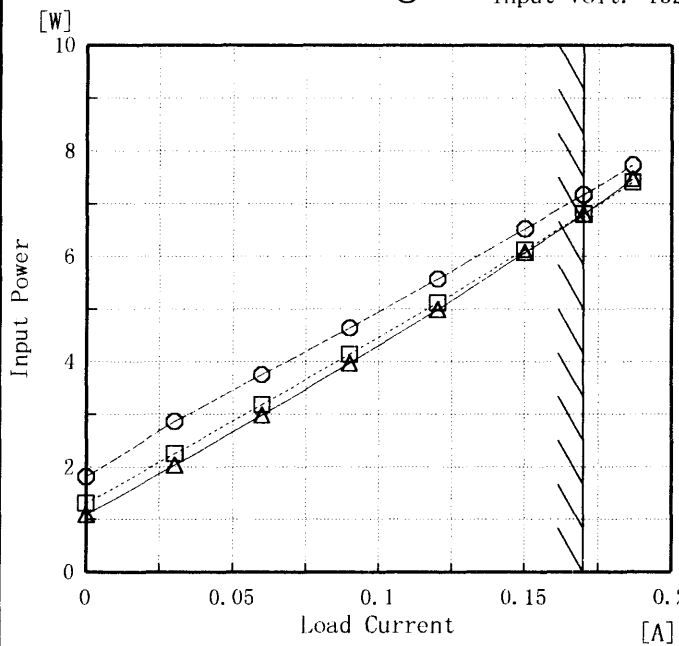
COSEL

Model		YW515A		Temperature		25℃																																	
Item		Line Regulation 静的人力変動		Testing Circuitry		Figure A																																	
Object		+15.0V0.17A																																					
1. Graph				2. Values																																			
<div><div><div>□</div><div>Load 50%</div></div><div><div>△</div><div>Load 100%</div></div></div> 				<table><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Output Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>75</td><td>15.078</td><td>15.001</td></tr><tr><td>80</td><td>15.077</td><td>15.001</td></tr><tr><td>85</td><td>15.070</td><td>15.000</td></tr><tr><td>90</td><td>15.068</td><td>15.000</td></tr><tr><td>100</td><td>15.064</td><td>15.000</td></tr><tr><td>110</td><td>15.063</td><td>15.000</td></tr><tr><td>120</td><td>15.061</td><td>15.000</td></tr><tr><td>132</td><td>15.059</td><td>15.000</td></tr><tr><td>140</td><td>15.059</td><td>15.000</td></tr></table>				Input Voltage [V]	Output Voltage [V]		Load 50%	Load 100%	75	15.078	15.001	80	15.077	15.001	85	15.070	15.000	90	15.068	15.000	100	15.064	15.000	110	15.063	15.000	120	15.061	15.000	132	15.059	15.000	140	15.059	15.000
Input Voltage [V]	Output Voltage [V]																																						
	Load 50%	Load 100%																																					
75	15.078	15.001																																					
80	15.077	15.001																																					
85	15.070	15.000																																					
90	15.068	15.000																																					
100	15.064	15.000																																					
110	15.063	15.000																																					
120	15.061	15.000																																					
132	15.059	15.000																																					
140	15.059	15.000																																					
Object				-15.0V0.17A																																			
1. Graph				2. Values																																			
<div><div><div>□</div><div>Load 50%</div></div><div><div>△</div><div>Load 100%</div></div></div> 				<table><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Output Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>75</td><td>-15.060</td><td>-14.976</td></tr><tr><td>80</td><td>-15.057</td><td>-14.976</td></tr><tr><td>85</td><td>-15.055</td><td>-14.979</td></tr><tr><td>90</td><td>-15.051</td><td>-14.980</td></tr><tr><td>100</td><td>-15.048</td><td>-14.980</td></tr><tr><td>110</td><td>-15.046</td><td>-14.981</td></tr><tr><td>120</td><td>-15.045</td><td>-14.982</td></tr><tr><td>132</td><td>-15.043</td><td>-14.982</td></tr><tr><td>140</td><td>-15.043</td><td>-14.982</td></tr></table>				Input Voltage [V]	Output Voltage [V]		Load 50%	Load 100%	75	-15.060	-14.976	80	-15.057	-14.976	85	-15.055	-14.979	90	-15.051	-14.980	100	-15.048	-14.980	110	-15.046	-14.981	120	-15.045	-14.982	132	-15.043	-14.982	140	-15.043	-14.982
Input Voltage [V]	Output Voltage [V]																																						
	Load 50%	Load 100%																																					
75	-15.060	-14.976																																					
80	-15.057	-14.976																																					
85	-15.055	-14.979																																					
90	-15.051	-14.980																																					
100	-15.048	-14.980																																					
110	-15.046	-14.981																																					
120	-15.045	-14.982																																					
132	-15.043	-14.982																																					
140	-15.043	-14.982																																					
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

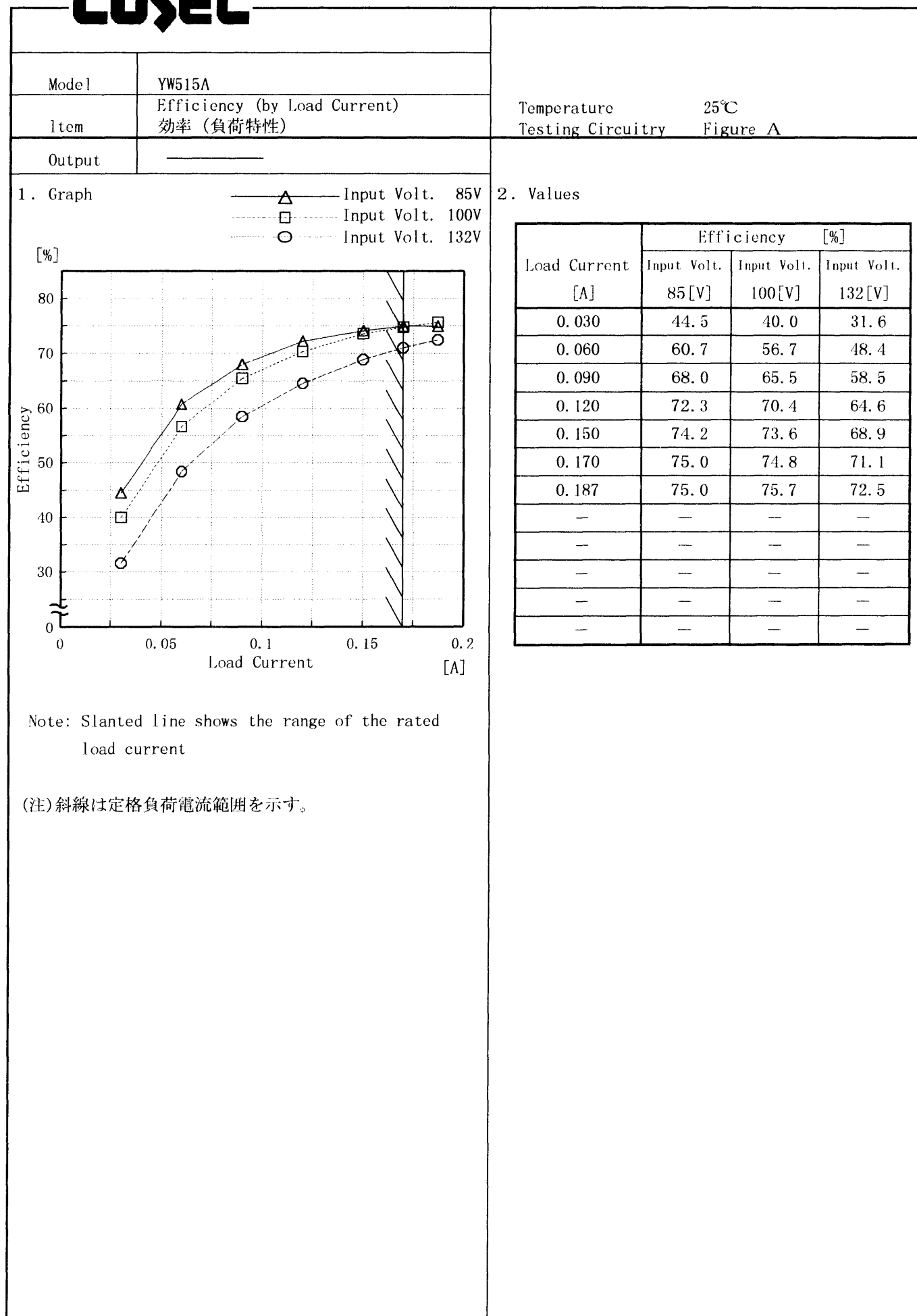
Model		YW515A		Temperature		25℃																																																								
Item		Input Current (by Load Current) 入力電流 (負荷特性)		Testing Circuitry		Figure A																																																								
Output		_____																																																												
1. Graph				2. Values																																																										
<div><div>△</div> Input Volt. 85V</div> <div><div>□</div> Input Volt. 100V</div> <div><div>○</div> Input Volt. 132V</div> <div><p>Input Current [A]</p><p>Load Current [A]</p></div> <div>Note: Slanted line shows the range of the rated load current</div> <div>(注) 斜線は定格負荷電流範囲を示す。</div>				<table><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><tr><td>0.000</td><td>0.031</td><td>0.033</td><td>0.036</td></tr><tr><td>0.030</td><td>0.053</td><td>0.052</td><td>0.053</td></tr><tr><td>0.060</td><td>0.073</td><td>0.069</td><td>0.066</td></tr><tr><td>0.090</td><td>0.092</td><td>0.086</td><td>0.079</td></tr><tr><td>0.120</td><td>0.112</td><td>0.103</td><td>0.092</td></tr><tr><td>0.150</td><td>0.131</td><td>0.119</td><td>0.105</td></tr><tr><td>0.170</td><td>0.144</td><td>0.130</td><td>0.114</td></tr><tr><td>0.187</td><td>0.156</td><td>0.140</td><td>0.121</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 [A]	Input Current [A]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.000	0.031	0.033	0.036	0.030	0.053	0.052	0.053	0.060	0.073	0.069	0.066	0.090	0.092	0.086	0.079	0.120	0.112	0.103	0.092	0.150	0.131	0.119	0.105	0.170	0.144	0.130	0.114	0.187	0.156	0.140	0.121	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Input Current [A]																																																													
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																											
0.000	0.031	0.033	0.036																																																											
0.030	0.053	0.052	0.053																																																											
0.060	0.073	0.069	0.066																																																											
0.090	0.092	0.086	0.079																																																											
0.120	0.112	0.103	0.092																																																											
0.150	0.131	0.119	0.105																																																											
0.170	0.144	0.130	0.114																																																											
0.187	0.156	0.140	0.121																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											

COSEL

COSEL																																																										
Model	YW515A																																																									
Item	Input Power (by Load Current) 入力電力 (負荷特性)																																																									
Output	—————																																																									
1. Graph																																																										
<div>—△— Input Volt. 85V</div> <div>- - -□- - - Input Volt. 100V</div> <div>- - -○- - - Input Volt. 132V</div> <div></div>																																																										
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																																																										
<table><tr><td rowspan="2">Load Current [A]</td><td colspan="3">Input Power [W]</td></tr><tr><td>Input Volt. 85[V]</td><td>Input Volt. 100[V]</td><td>Input Volt. 132[V]</td></tr><tr><td>0.000</td><td>1.09</td><td>1.31</td><td>1.81</td></tr><tr><td>0.030</td><td>2.03</td><td>2.25</td><td>2.86</td></tr><tr><td>0.060</td><td>2.98</td><td>3.18</td><td>3.75</td></tr><tr><td>0.090</td><td>3.97</td><td>4.14</td><td>4.64</td></tr><tr><td>0.120</td><td>4.99</td><td>5.12</td><td>5.57</td></tr><tr><td>0.150</td><td>6.07</td><td>6.13</td><td>6.53</td></tr><tr><td>0.170</td><td>6.80</td><td>6.81</td><td>7.17</td></tr><tr><td>0.187</td><td>7.47</td><td>7.41</td><td>7.74</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 [A]	Input Power [W]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.000	1.09	1.31	1.81	0.030	2.03	2.25	2.86	0.060	2.98	3.18	3.75	0.090	3.97	4.14	4.64	0.120	4.99	5.12	5.57	0.150	6.07	6.13	6.53	0.170	6.80	6.81	7.17	0.187	7.47	7.41	7.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Input Power [W]																																																									
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
0.000	1.09	1.31	1.81																																																							
0.030	2.03	2.25	2.86																																																							
0.060	2.98	3.18	3.75																																																							
0.090	3.97	4.14	4.64																																																							
0.120	4.99	5.12	5.57																																																							
0.150	6.07	6.13	6.53																																																							
0.170	6.80	6.81	7.17																																																							
0.187	7.47	7.41	7.74																																																							
—	—	—	—																																																							
—	—	—	—																																																							
—	—	—	—																																																							
—	—	—	—																																																							

COSEL

Model		YW515A		Temperature		25℃																															
Item		Efficiency (by Input Voltage) 効率 (入力電圧特性)		Testing Circuitry		Figure A																															
Object																																					
1. Graph				2. Values																																	
<div><div>□</div>Load 50%</div> <div><div>△</div>Load 100%</div> <table><thead><tr><th>Input Voltage [V]</th><th>Efficiency [%] (Load 50%)</th><th>Efficiency [%] (Load 100%)</th></tr></thead><tbody><tr><td>75</td><td>68.8</td><td>73.5</td></tr><tr><td>80</td><td>68.2</td><td>74.4</td></tr><tr><td>85</td><td>67.4</td><td>74.8</td></tr><tr><td>90</td><td>66.3</td><td>75.1</td></tr><tr><td>100</td><td>64.3</td><td>74.8</td></tr><tr><td>110</td><td>62.0</td><td>73.8</td></tr><tr><td>120</td><td>59.7</td><td>72.6</td></tr><tr><td>132</td><td>57.1</td><td>71.0</td></tr><tr><td>140</td><td>54.8</td><td>69.9</td></tr></tbody></table>				Input Voltage [V]	Efficiency [%] (Load 50%)	Efficiency [%] (Load 100%)	75	68.8	73.5	80	68.2	74.4	85	67.4	74.8	90	66.3	75.1	100	64.3	74.8	110	62.0	73.8	120	59.7	72.6	132	57.1	71.0	140	54.8	69.9				
Input Voltage [V]	Efficiency [%] (Load 50%)	Efficiency [%] (Load 100%)																																			
75	68.8	73.5																																			
80	68.2	74.4																																			
85	67.4	74.8																																			
90	66.3	75.1																																			
100	64.3	74.8																																			
110	62.0	73.8																																			
120	59.7	72.6																																			
132	57.1	71.0																																			
140	54.8	69.9																																			
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

COSEL

Model		YW515A		Temperature		25℃	
Item		Power Factor (by Input Voltage) 力率 (入力電圧特性)		Testing Circuitry		Figure A	
Object							

1. Graph

-----□-----

Load 50%

-----△-----

Load 100%

Power Factor

1.00

0.90

0.80

0.70

0.60

0.50

0

0

80

90

100

110

120

130

140

150

Input Voltage

[V]

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]	Power Factor	
	Load 50%	Load 100%
75	0.52	0.58
80	0.51	0.57
85	0.50	0.55
90	0.49	0.54
100	0.48	0.52
110	0.46	0.51
120	0.45	0.49
132	0.44	0.48
140	0.44	0.47

COSEL

Model		YW515A		Temperature		25℃																																																								
Item		Power Factor (by Load Current) 力率（負荷特性）		Testing Circuitry		Figure A																																																								
Output		_____																																																												
1. Graph				2. Values																																																										
<div><div>—△— Input Volt. 85V</div><div>- - -□- - - Input Volt. 100V</div><div>- - -○- - - Input Volt. 132V</div></div> <div><p>Power Factor</p><p>Load Current [A]</p></div> <div><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></div>				<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Power Factor</th></tr><tr><th>Input Volt. 85[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 132[V]</th></tr><tr><td>0.000</td><td>0.41</td><td>0.40</td><td>0.38</td></tr><tr><td>0.030</td><td>0.45</td><td>0.43</td><td>0.41</td></tr><tr><td>0.060</td><td>0.48</td><td>0.46</td><td>0.43</td></tr><tr><td>0.090</td><td>0.51</td><td>0.48</td><td>0.44</td></tr><tr><td>0.120</td><td>0.53</td><td>0.50</td><td>0.46</td></tr><tr><td>0.150</td><td>0.54</td><td>0.51</td><td>0.47</td></tr><tr><td>0.170</td><td>0.55</td><td>0.52</td><td>0.48</td></tr><tr><td>0.187</td><td>0.56</td><td>0.53</td><td>0.48</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 [A]	Power Factor			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.000	0.41	0.40	0.38	0.030	0.45	0.43	0.41	0.060	0.48	0.46	0.43	0.090	0.51	0.48	0.44	0.120	0.53	0.50	0.46	0.150	0.54	0.51	0.47	0.170	0.55	0.52	0.48	0.187	0.56	0.53	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Power Factor																																																													
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																											
0.000	0.41	0.40	0.38																																																											
0.030	0.45	0.43	0.41																																																											
0.060	0.48	0.46	0.43																																																											
0.090	0.51	0.48	0.44																																																											
0.120	0.53	0.50	0.46																																																											
0.150	0.54	0.51	0.47																																																											
0.170	0.55	0.52	0.48																																																											
0.187	0.56	0.53	0.48																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											

COSEL

Model		YW515A	Temperature Testing Circuitry	25℃ Figure A																																
Item		Hold-Up Time 出力保持時間																																		
Object		+15.0V 0.17A																																		
1. Graph																																				
<div><div><div>□</div><div>Load 50%</div></div><div><div>△</div><div>Load 100%</div></div></div> <div><div>Hold-Up Time [mS]</div><div><div>1000</div><div>100</div><div>10</div><div>1</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 [V]</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Load 50% [mS]</th><th>Load 100% [mS]</th></tr></thead><tbody><tr><td>75</td><td>18</td><td>11</td></tr><tr><td>80</td><td>22</td><td>14</td></tr><tr><td>85</td><td>27</td><td>18</td></tr><tr><td>90</td><td>32</td><td>22</td></tr><tr><td>100</td><td>42</td><td>30</td></tr><tr><td>110</td><td>54</td><td>39</td></tr><tr><td>120</td><td>67</td><td>49</td></tr><tr><td>132</td><td>83</td><td>62</td></tr><tr><td>140</td><td>95</td><td>72</td></tr></tbody></table> <div><p>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.</p><p>Note: Slanted line shows the range of the rated input voltage.</p><p>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。</p><p>(注)斜線は定格入力電圧範囲を示す。</p></div>					Input Voltage [V]	Load 50% [mS]	Load 100% [mS]	75	18	11	80	22	14	85	27	18	90	32	22	100	42	30	110	54	39	120	67	49	132	83	62	140	95	72		
Input Voltage [V]	Load 50% [mS]	Load 100% [mS]																																		
75	18	11																																		
80	22	14																																		
85	27	18																																		
90	32	22																																		
100	42	30																																		
110	54	39																																		
120	67	49																																		
132	83	62																																		
140	95	72																																		
2. Values																																				
<table><thead><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Hold-Up Time [mS]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr></thead><tbody><tr><td>75</td><td>18</td><td>11</td></tr><tr><td>80</td><td>22</td><td>14</td></tr><tr><td>85</td><td>27</td><td>18</td></tr><tr><td>90</td><td>32</td><td>22</td></tr><tr><td>100</td><td>42</td><td>30</td></tr><tr><td>110</td><td>54</td><td>39</td></tr><tr><td>120</td><td>67</td><td>49</td></tr><tr><td>132</td><td>83</td><td>62</td></tr><tr><td>140</td><td>95</td><td>72</td></tr></tbody></table>					Input Voltage [V]	Hold-Up Time [mS]		Load 50%	Load 100%	75	18	11	80	22	14	85	27	18	90	32	22	100	42	30	110	54	39	120	67	49	132	83	62	140	95	72
Input Voltage [V]	Hold-Up Time [mS]																																			
	Load 50%	Load 100%																																		
75	18	11																																		
80	22	14																																		
85	27	18																																		
90	32	22																																		
100	42	30																																		
110	54	39																																		
120	67	49																																		
132	83	62																																		
140	95	72																																		

COSEL

Model		YW515A	
Item		Hold-Up Time 出力保持時間	
Object		-15.0V0.17A	

1. Graph

-----□-----

Load 50%

-----△-----

Load 100%

[mS]

1000

100

10

1

Hold-Up Time

0

80

90

100

110

120

130

140

150

Input Voltage [V]

Input Voltage [V]	Load 50% [mS]	Load 100% [mS]
75	18	11
80	22	14
85	26	18
90	31	21
100	42	30
110	54	39
120	66	49
132	82	62
140	94	71

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]	Hold-Up Time [mS]	
	Load 50%	Load 100%
75	18	11
80	22	14
85	26	18
90	31	21
100	42	30
110	54	39
120	66	49
132	82	62
140	94	71

COSEL

Model		YW515A	Temperature Testing Circuitry	25℃ Figure A
Item		Instantaneous Interruption Compensation 瞬時停電保障		
Object		+15.0V0.17A		

1. Graph

—△—

Input Volt. 85 V

- -□- -

Input Volt. 100 V

- -○- -

Input Volt. 132 V

[mS]

Instantaneous Compensation Time

Load Current [A]

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。

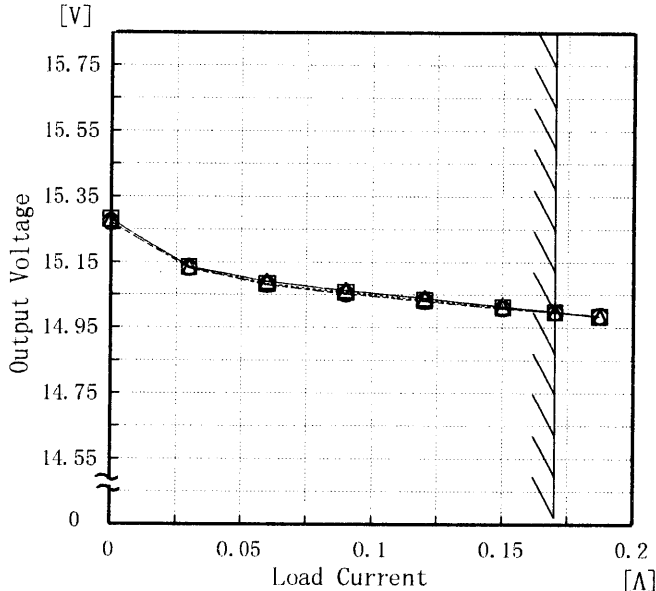
2. Values

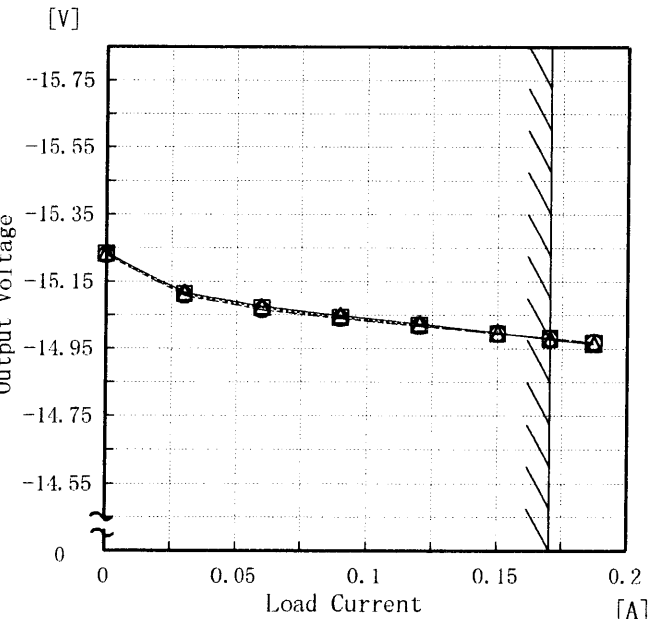
Load Current [A]	Time [mS]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.000	—	—	—
0.030	36	56	106
0.060	28	48	93
0.090	26	41	82
0.120	22	36	73
0.150	17	32	66
0.170	16	27	62
0.187	15	26	58
—	—	—	—
—	—	—	—
—	—	—	—

COSEL

Model		YW515A		Temperature		25℃																																																				
Item		Instantaneous Interruption Compensation 瞬時停電保障		Testing Circuitry		Figure A																																																				
Object		-15.0V0.17A																																																								
1. Graph				2. Values																																																						
<div><div><div>—△—</div><div>—□—</div><div>—○—</div></div><div><div>Input Volt. 85 V</div><div>Input Volt.100 V</div><div>Input Volt.132 V</div></div></div> <div><div>[mS]</div><div>1000</div><div>Instantaneous Compensation Time</div><div>100</div><div>10</div><div>1</div><div>0</div><div>0.05</div><div>0.1</div><div>0.15</div><div>0.2</div><div>Load Current</div><div>[A]</div></div> <div><div>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.</div><div>Note:Slanted line shows the range of the rated load current.</div></div> <div><div>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。</div><div>(注)斜線は定格負荷電流範囲を示す。</div></div>				<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Time [mS]</th></tr><tr><th>Input Volt. 85[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 132[V]</th></tr><tr><td>0.000</td><td>—</td><td>—</td><td>—</td></tr><tr><td>0.030</td><td>35</td><td>56</td><td>106</td></tr><tr><td>0.060</td><td>27</td><td>47</td><td>92</td></tr><tr><td>0.090</td><td>25</td><td>41</td><td>81</td></tr><tr><td>0.120</td><td>21</td><td>36</td><td>73</td></tr><tr><td>0.150</td><td>17</td><td>31</td><td>66</td></tr><tr><td>0.170</td><td>16</td><td>27</td><td>61</td></tr><tr><td>0.187</td><td>15</td><td>26</td><td>58</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 [A]	Time [mS]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	0.000	—	—	—	0.030	35	56	106	0.060	27	47	92	0.090	25	41	81	0.120	21	36	73	0.150	17	31	66	0.170	16	27	61	0.187	15	26	58	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Time [mS]																																																									
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
0.000	—	—	—																																																							
0.030	35	56	106																																																							
0.060	27	47	92																																																							
0.090	25	41	81																																																							
0.120	21	36	73																																																							
0.150	17	31	66																																																							
0.170	16	27	61																																																							
0.187	15	26	58																																																							
—	—	—	—																																																							
—	—	—	—																																																							
—	—	—	—																																																							

COSEL

Model		YW515A		Temperature 25℃																																																
Item		Load Regulation 静的負荷変動		Testing Circuitry Figure A																																																
Object		+15.0V0.17A																																																		
1. Graph		<div><div><div>—△—</div><div>—□—</div><div>—○—</div></div><div><div>Input Volt. 85 V</div><div>Input Volt. 100 V</div><div>Input Volt. 132 V</div></div></div> 		2. Values																																																
		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 85 [V]</th><th>Input Volt. 100 [V]</th><th>Input Volt. 132 [V]</th></tr><tr><td>0.000</td><td>15.280</td><td>15.281</td><td>15.272</td></tr><tr><td>0.030</td><td>15.136</td><td>15.134</td><td>15.131</td></tr><tr><td>0.060</td><td>15.090</td><td>15.084</td><td>15.080</td></tr><tr><td>0.090</td><td>15.063</td><td>15.058</td><td>15.053</td></tr><tr><td>0.120</td><td>15.039</td><td>15.033</td><td>15.031</td></tr><tr><td>0.150</td><td>15.014</td><td>15.011</td><td>15.009</td></tr><tr><td>0.170</td><td>14.998</td><td>14.998</td><td>14.997</td></tr><tr><td>0.187</td><td>14.985</td><td>14.984</td><td>14.986</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 [A]	Output Voltage [V]			Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]	0.000	15.280	15.281	15.272	0.030	15.136	15.134	15.131	0.060	15.090	15.084	15.080	0.090	15.063	15.058	15.053	0.120	15.039	15.033	15.031	0.150	15.014	15.011	15.009	0.170	14.998	14.998	14.997	0.187	14.985	14.984	14.986	—	—	—	—	—	—	—	—
Load Current [A]	Output Voltage [V]																																																			
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]																																																	
0.000	15.280	15.281	15.272																																																	
0.030	15.136	15.134	15.131																																																	
0.060	15.090	15.084	15.080																																																	
0.090	15.063	15.058	15.053																																																	
0.120	15.039	15.033	15.031																																																	
0.150	15.014	15.011	15.009																																																	
0.170	14.998	14.998	14.997																																																	
0.187	14.985	14.984	14.986																																																	
—	—	—	—																																																	
—	—	—	—																																																	

Object		-15.0V0.17A																																																		
1. Graph		<div><div><div>—△—</div><div>—□—</div><div>—○—</div></div><div><div>Input Volt. 85 V</div><div>Input Volt. 100 V</div><div>Input Volt. 132 V</div></div></div> 		2. Values																																																
		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 85 [V]</th><th>Input Volt. 100 [V]</th><th>Input Volt. 132 [V]</th></tr><tr><td>0.000</td><td>-15.236</td><td>-15.233</td><td>-15.229</td></tr><tr><td>0.030</td><td>-15.118</td><td>-15.113</td><td>-15.108</td></tr><tr><td>0.060</td><td>-15.076</td><td>-15.072</td><td>-15.066</td></tr><tr><td>0.090</td><td>-15.049</td><td>-15.043</td><td>-15.039</td></tr><tr><td>0.120</td><td>-15.023</td><td>-15.020</td><td>-15.017</td></tr><tr><td>0.150</td><td>-14.997</td><td>-14.994</td><td>-14.995</td></tr><tr><td>0.170</td><td>-14.979</td><td>-14.981</td><td>-14.981</td></tr><tr><td>0.187</td><td>-14.964</td><td>-14.967</td><td>-14.970</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 [A]	Output Voltage [V]			Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]	0.000	-15.236	-15.233	-15.229	0.030	-15.118	-15.113	-15.108	0.060	-15.076	-15.072	-15.066	0.090	-15.049	-15.043	-15.039	0.120	-15.023	-15.020	-15.017	0.150	-14.997	-14.994	-14.995	0.170	-14.979	-14.981	-14.981	0.187	-14.964	-14.967	-14.970	—	—	—	—	—	—	—	—
Load Current [A]	Output Voltage [V]																																																			
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]																																																	
0.000	-15.236	-15.233	-15.229																																																	
0.030	-15.118	-15.113	-15.108																																																	
0.060	-15.076	-15.072	-15.066																																																	
0.090	-15.049	-15.043	-15.039																																																	
0.120	-15.023	-15.020	-15.017																																																	
0.150	-14.997	-14.994	-14.995																																																	
0.170	-14.979	-14.981	-14.981																																																	
0.187	-14.964	-14.967	-14.970																																																	
—	—	—	—																																																	
—	—	—	—																																																	
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。																																																				

-12-

BC-3204

COSEL

LOREL

Model	YW515A
Item	Ripple Voltage(by Load Current) リップル電圧(負荷特性)
Object	+15.0V0.17A

1. Graph

—△—

Input Volt. 85V

- - -○- - -

Input Volt. 132V

[mV]

Ripple Voltage

Load Current

[A]

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

← T2

← T1

Ripple [mVp-p]

Fig. Complex Ripple Wave Form

図 リップル波形詳細図

Temperature 25℃

Testing Circuitry Figure A

2.Values

Load Current [A]	Ripple Output Voltage [mV]	
	Input Volt. 85 [V]	Input Volt. 132 [V]
0.000	15	10
0.030	15	10
0.060	15	10
0.090	15	10
0.120	15	10
0.150	20	10
0.170	25	10
0.187	30	10
—	—	—
—	—	—
—	—	—

COSEL

Model		YW515A																																							
Item	Ripple Voltage (by Load Current) リップル電圧 (負荷特性)		Temperature 25℃ Testing Circuitry Figure A																																						
Object	-15.0V0.17A																																								
1. Graph		2. Values																																							
<div><div>—△— Input Volt. 85V</div><div>---○--- Input Volt. 132V</div><div>[mV]</div><div><div>Ripple Voltage</div><div>Load Current</div><div>[A]</div></div></div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Output Voltage [mV]</th></tr><tr><th>Input Volt. 85 [V]</th><th>Input Volt. 132 [V]</th></tr><tr><td>0.000</td><td>15</td><td>10</td></tr><tr><td>0.030</td><td>15</td><td>10</td></tr><tr><td>0.060</td><td>15</td><td>10</td></tr><tr><td>0.090</td><td>15</td><td>10</td></tr><tr><td>0.120</td><td>15</td><td>10</td></tr><tr><td>0.150</td><td>20</td><td>10</td></tr><tr><td>0.170</td><td>25</td><td>10</td></tr><tr><td>0.187</td><td>30</td><td>10</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr></table>		Load Current [A]	Ripple Output Voltage [mV]		Input Volt. 85 [V]	Input Volt. 132 [V]	0.000	15	10	0.030	15	10	0.060	15	10	0.090	15	10	0.120	15	10	0.150	20	10	0.170	25	10	0.187	30	10	—	—	—	—	—	—	—	—	—
Load Current [A]	Ripple Output Voltage [mV]																																								
	Input Volt. 85 [V]	Input Volt. 132 [V]																																							
0.000	15	10																																							
0.030	15	10																																							
0.060	15	10																																							
0.090	15	10																																							
0.120	15	10																																							
0.150	20	10																																							
0.170	25	10																																							
0.187	30	10																																							
—	—	—																																							
—	—	—																																							
—	—	—																																							
<p>Ripple Voltage is shown as p-p in the figure below.</p> <p>Note: Slanted line shows the range of the rated load current.</p> <p>リップル電圧は、下図 p-p 値で示される。</p> <p>(注) 斜線は定格負荷電流範囲を示す。</p> <div><div>T1: Due to AC Input Line 入力商用周期</div><div>T2: Due to Switching スイッチング周期</div><div><div>Ripple [mVp-p]</div><div>Fig. Complex Ripple Wave Form</div><div>図 リップル波形詳細図</div></div></div>																																									

COSEL

Model		YW515A		Temperature		25℃																																							
Item		Ripple-Noise リップルノイズ		Testing Circuitry		Figure A																																							
Object		+15.0V0.17A																																											
1. Graph				2. Values																																									
<div><div><div>-----□-----</div><div>Input Volt. 85V</div></div><div><div>-----△-----</div><div>Input Volt. 132V</div></div></div> <div><div>[mV]</div><div><div><div>100</div><div>90</div><div>80</div><div>70</div><div>60</div><div>50</div><div>40</div><div>30</div><div>20</div><div>10</div><div>0</div></div><div><div><div>0</div><div>0.05</div><div>0.1</div><div>0.15</div><div>0.2</div></div><div>Load Current</div><div>[A]</div></div></div></div>				<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple-Noise [mV]</th></tr><tr><th>Input Volt. 85 [V]</th><th>Input Volt. 132 [V]</th></tr><tr><td>0.000</td><td>30</td><td>20</td></tr><tr><td>0.030</td><td>30</td><td>20</td></tr><tr><td>0.060</td><td>30</td><td>20</td></tr><tr><td>0.090</td><td>30</td><td>20</td></tr><tr><td>0.120</td><td>35</td><td>25</td></tr><tr><td>0.150</td><td>40</td><td>30</td></tr><tr><td>0.170</td><td>40</td><td>30</td></tr><tr><td>0.187</td><td>45</td><td>30</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr></table>				Load Current [A]	Ripple-Noise [mV]		Input Volt. 85 [V]	Input Volt. 132 [V]	0.000	30	20	0.030	30	20	0.060	30	20	0.090	30	20	0.120	35	25	0.150	40	30	0.170	40	30	0.187	45	30	—	—	—	—	—	—	—	—	—
Load Current [A]	Ripple-Noise [mV]																																												
	Input Volt. 85 [V]	Input Volt. 132 [V]																																											
0.000	30	20																																											
0.030	30	20																																											
0.060	30	20																																											
0.090	30	20																																											
0.120	35	25																																											
0.150	40	30																																											
0.170	40	30																																											
0.187	45	30																																											
—	—	—																																											
—	—	—																																											
—	—	—																																											
<p>Ripple-Noise is shown as p-p in the figure below.</p> <p>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。</p> <p>(注)斜線は定格負荷電流範囲を示す。</p>																																													
<div><div><div>T1: Due to AC Input Line</div><div>入力商用周期</div></div><div><div>T2: Due to Switching</div><div>スイッチング周期</div></div></div> <div><div><div>T2</div><div>Ripple-Noise</div><div>[mVp-p]</div></div><div><div>T1</div></div></div>																																													
<p>Fig. Complex Ripple Wave Form</p> <p>図 リップル波形詳細図</p>																																													

COSEL

Model		YW515A	
Item		Ripple-Noise リップルノイズ	
Object		-15.0V0.17A	

1. Graph

-----□-----

Input Volt. 85V

-----△-----

Input Volt. 132V

[mV]

100

90

80

70

60

50

40

30

20

10

0

0

0.05

0.1

0.15

0.2

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。

T1: Due to AC Input Line

入力商用周期

T2: Due to Switching

スイッチング周期

T2

Ripple-Noise

[mVp-p]

T1

Fig. Complex Ripple Wave Form

図 リップル波形詳細図

2. Values

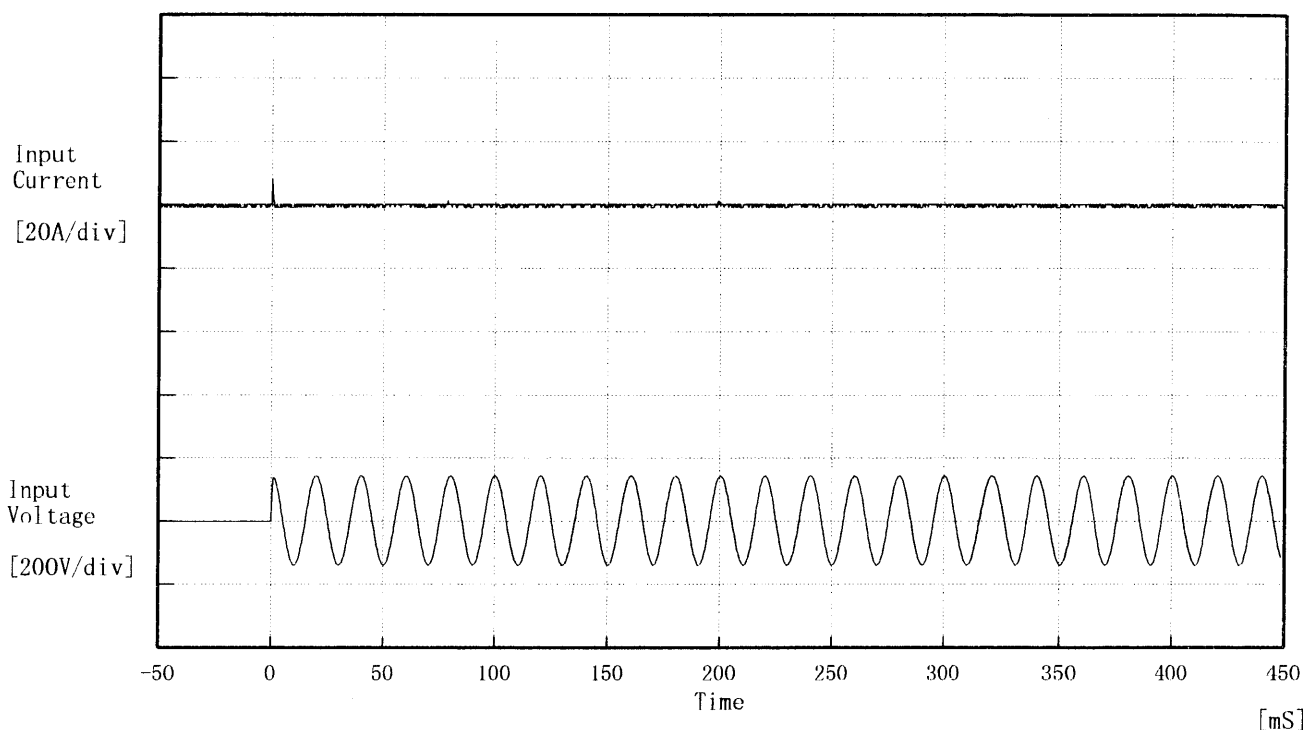
Load Current [A]	Ripple-Noise [mV]	
	Input Volt. 85 [V]	Input Volt. 132 [V]
0.000	30	20
0.030	30	20
0.060	30	20
0.090	30	25
0.120	30	25
0.150	35	25
0.170	40	30
0.187	45	30
—	—	—
—	—	—
—	—	—

COSEL

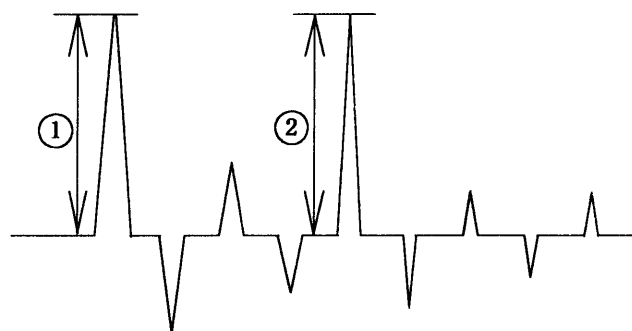
Model	YW515A																																																									
Item	Overcurrent Protection 過電流保護	Temperature	25℃																																																							
Object	+15.0V0.17A	Testing Circuitry	Figure A																																																							
1. Graph		2. Values																																																								
<div><div><div>—</div><div>—</div><div>—</div></div><div>Input Volt. 85 V Input Volt. 100 V Input Volt. 132 V</div></div> <p>Output Voltage [V]</p> <p>Load Current [A]</p>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 85[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 132[V]</th></tr><tr><td>15.00</td><td>0.257</td><td>0.286</td><td>0.304</td></tr><tr><td>14.25</td><td>0.264</td><td>0.293</td><td>0.308</td></tr><tr><td>13.50</td><td>0.272</td><td>0.295</td><td>0.315</td></tr><tr><td>12.00</td><td>0.281</td><td>0.304</td><td>0.324</td></tr><tr><td>10.50</td><td>0.289</td><td>0.313</td><td>0.333</td></tr><tr><td>9.00</td><td>0.294</td><td>0.316</td><td>0.338</td></tr><tr><td>7.50</td><td>0.297</td><td>0.319</td><td>0.342</td></tr><tr><td>6.00</td><td>0.297</td><td>0.316</td><td>0.341</td></tr><tr><td>4.50</td><td>0.293</td><td>0.309</td><td>0.334</td></tr><tr><td>3.00</td><td>0.281</td><td>0.295</td><td>0.322</td></tr><tr><td>1.50</td><td>0.262</td><td>0.273</td><td>0.306</td></tr><tr><td>0.00</td><td>0.285</td><td>0.302</td><td>0.335</td></tr></table>		Output Voltage [V]	Load Current [A]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	15.00	0.257	0.286	0.304	14.25	0.264	0.293	0.308	13.50	0.272	0.295	0.315	12.00	0.281	0.304	0.324	10.50	0.289	0.313	0.333	9.00	0.294	0.316	0.338	7.50	0.297	0.319	0.342	6.00	0.297	0.316	0.341	4.50	0.293	0.309	0.334	3.00	0.281	0.295	0.322	1.50	0.262	0.273	0.306	0.00	0.285	0.302	0.335
Output Voltage [V]	Load Current [A]																																																									
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
15.00	0.257	0.286	0.304																																																							
14.25	0.264	0.293	0.308																																																							
13.50	0.272	0.295	0.315																																																							
12.00	0.281	0.304	0.324																																																							
10.50	0.289	0.313	0.333																																																							
9.00	0.294	0.316	0.338																																																							
7.50	0.297	0.319	0.342																																																							
6.00	0.297	0.316	0.341																																																							
4.50	0.293	0.309	0.334																																																							
3.00	0.281	0.295	0.322																																																							
1.50	0.262	0.273	0.306																																																							
0.00	0.285	0.302	0.335																																																							
Object																																																										
-15.0V0.17A																																																										
1. Graph		2. Values																																																								
<div><div><div>—</div><div>—</div><div>—</div></div><div>Input Volt. 85 V Input Volt. 100 V Input Volt. 132 V</div></div> <p>Output Voltage [V]</p> <p>Load Current [A]</p>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 85[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 132[V]</th></tr><tr><td>-15.00</td><td>0.256</td><td>0.291</td><td>0.308</td></tr><tr><td>-14.25</td><td>0.270</td><td>0.297</td><td>0.312</td></tr><tr><td>-13.50</td><td>0.272</td><td>0.301</td><td>0.318</td></tr><tr><td>-12.00</td><td>0.285</td><td>0.309</td><td>0.329</td></tr><tr><td>-10.50</td><td>0.291</td><td>0.314</td><td>0.336</td></tr><tr><td>-9.00</td><td>0.296</td><td>0.320</td><td>0.344</td></tr><tr><td>-7.50</td><td>0.302</td><td>0.321</td><td>0.345</td></tr><tr><td>-6.00</td><td>0.301</td><td>0.320</td><td>0.345</td></tr><tr><td>-4.50</td><td>0.298</td><td>0.313</td><td>0.339</td></tr><tr><td>-3.00</td><td>0.286</td><td>0.300</td><td>0.328</td></tr><tr><td>-1.50</td><td>0.268</td><td>0.281</td><td>0.312</td></tr><tr><td>0.00</td><td>0.297</td><td>0.314</td><td>0.349</td></tr></table>		Output Voltage [V]	Load Current [A]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	-15.00	0.256	0.291	0.308	-14.25	0.270	0.297	0.312	-13.50	0.272	0.301	0.318	-12.00	0.285	0.309	0.329	-10.50	0.291	0.314	0.336	-9.00	0.296	0.320	0.344	-7.50	0.302	0.321	0.345	-6.00	0.301	0.320	0.345	-4.50	0.298	0.313	0.339	-3.00	0.286	0.300	0.328	-1.50	0.268	0.281	0.312	0.00	0.297	0.314	0.349
Output Voltage [V]	Load Current [A]																																																									
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
-15.00	0.256	0.291	0.308																																																							
-14.25	0.270	0.297	0.312																																																							
-13.50	0.272	0.301	0.318																																																							
-12.00	0.285	0.309	0.329																																																							
-10.50	0.291	0.314	0.336																																																							
-9.00	0.296	0.320	0.344																																																							
-7.50	0.302	0.321	0.345																																																							
-6.00	0.301	0.320	0.345																																																							
-4.50	0.298	0.313	0.339																																																							
-3.00	0.286	0.300	0.328																																																							
-1.50	0.268	0.281	0.312																																																							
0.00	0.297	0.314	0.349																																																							
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	YW515A	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 8.06 [A]
 ② 1.33 [A]



COSEL

Model	YW515A	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+15.0V0.17A	

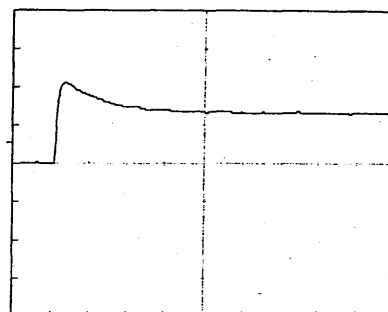
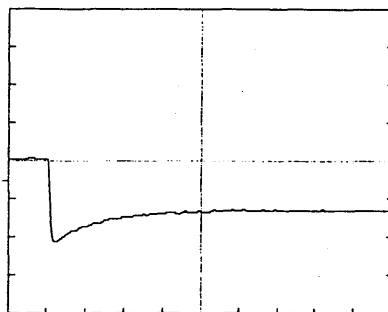
Input Volt. 100 V

Cycle 1000 mS

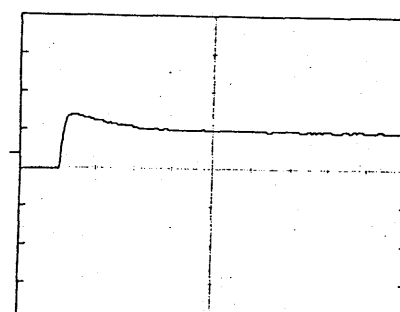
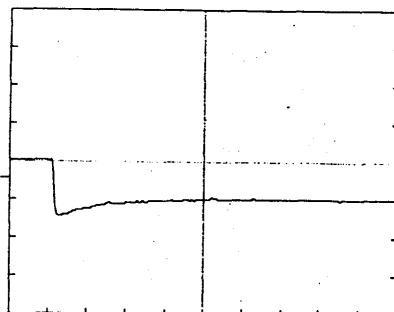
Load Current

Load 0% \longleftrightarrow

Load 100 %

Load 0% \longleftrightarrow

Load 50 %



200 mV/div

1 mS/div

COSEL

Model	YW515A	Temperature	25°C
Item	Dynamic Load Responce 動的負荷変動	Testing Circuitry	Figure A
Object	-15.0V 0.17A		

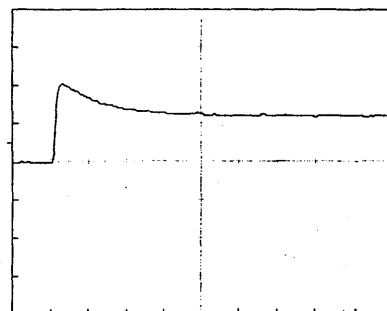
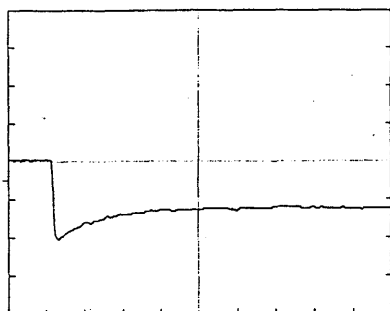
Input Volt. 100 V

Cycle 1000 mS

Load Current

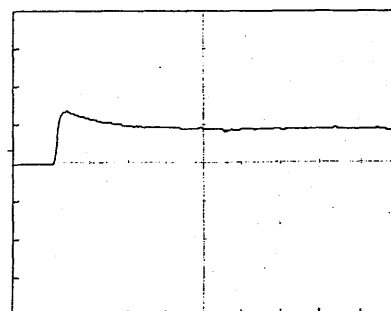
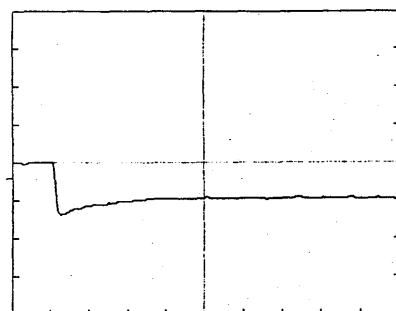
Load 0% ←→

Load 100 %



Load 0% ←→

Load 50 %



200 mV/div

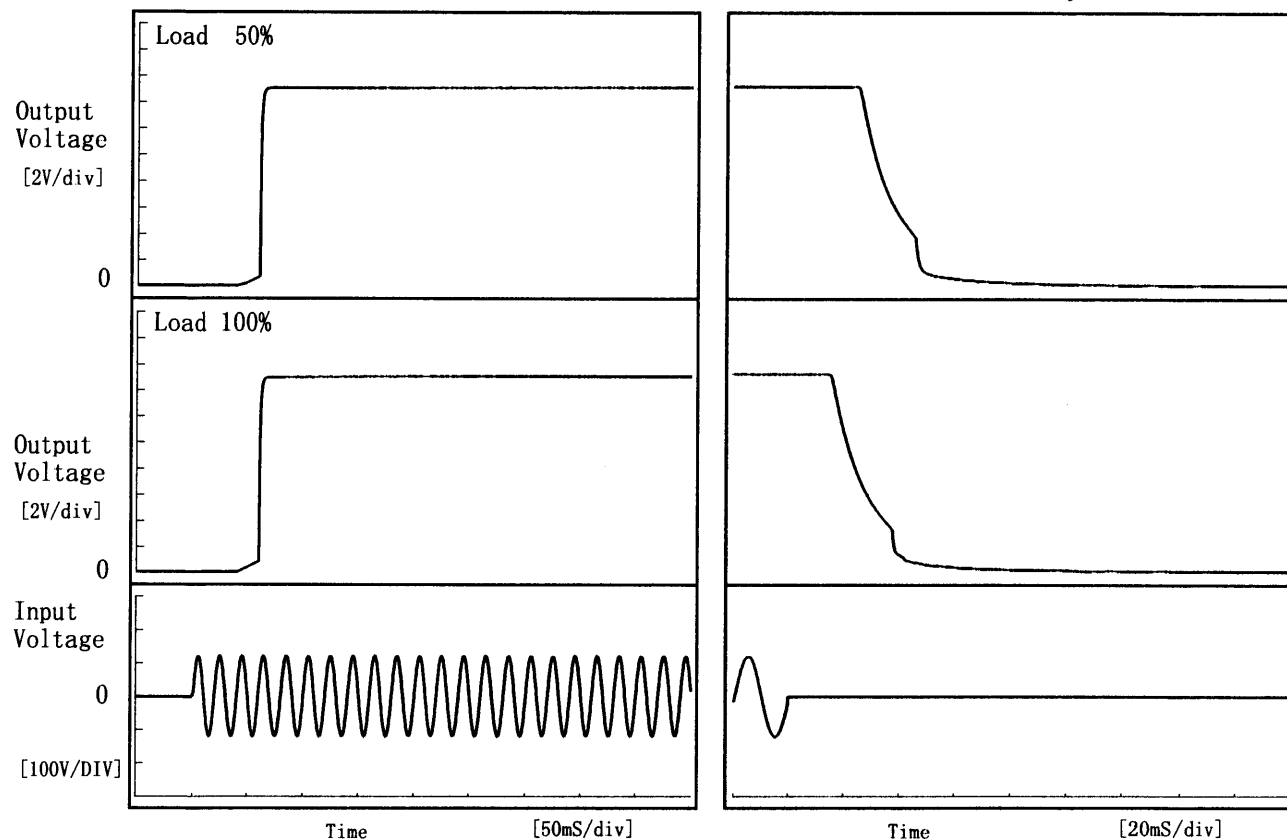
1 mS/div

COSEL

Model	YW515A	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+15.0V0.17A		

1. Graph

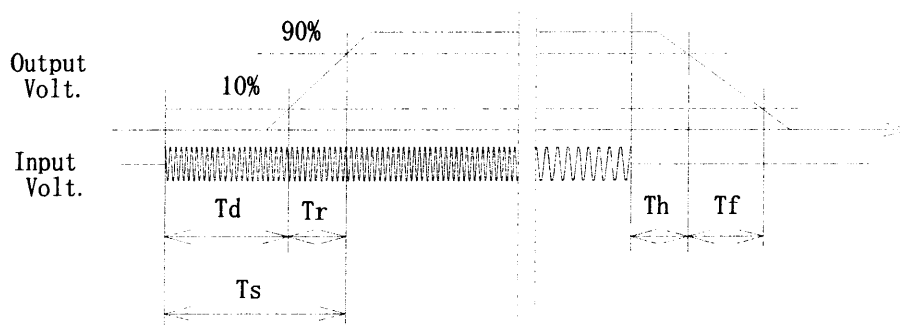
Input Volt. 85 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	60.3	2.0	62.3	27.3	20.4
100 %	60.5	2.3	62.8	17.6	21.8

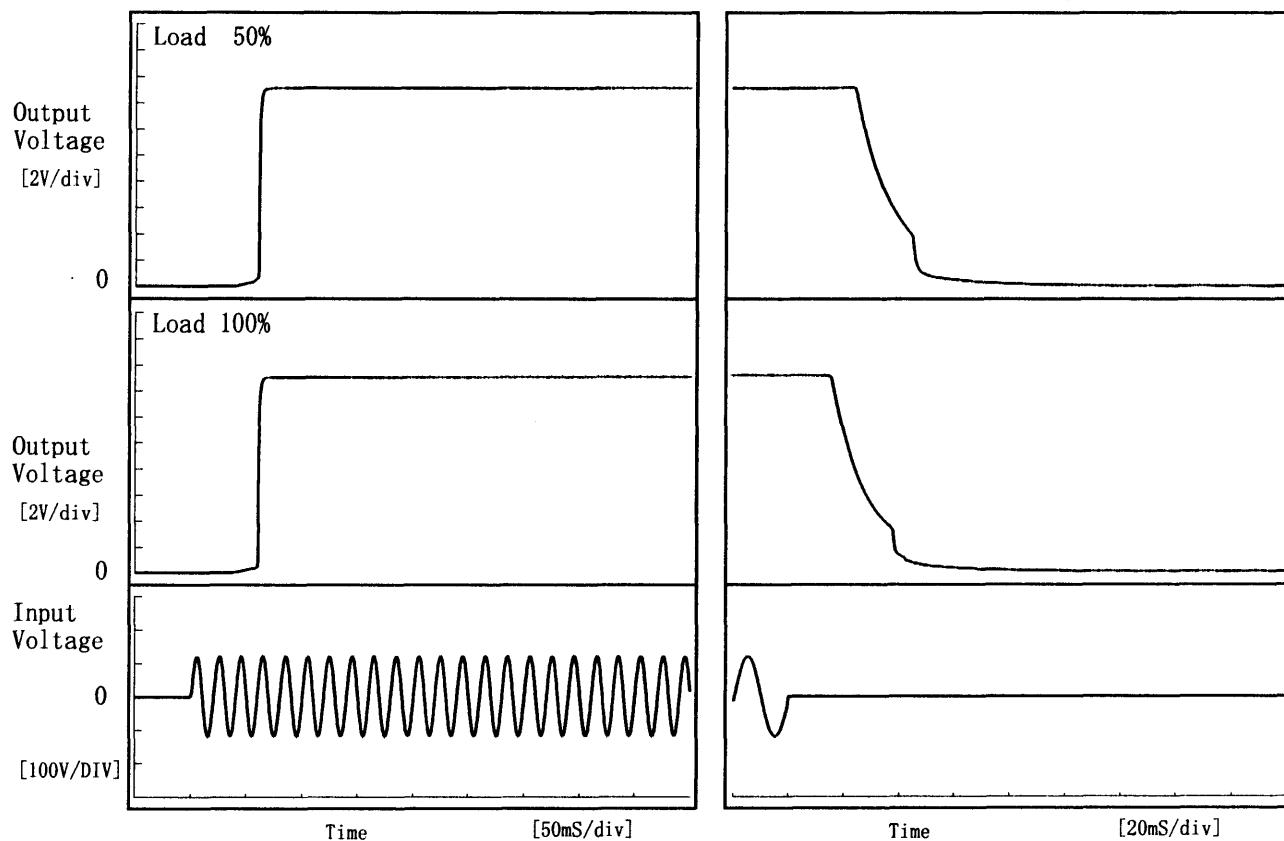


COSEL

Model	YW515A	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	-15.0V 0.17A		

1. Graph

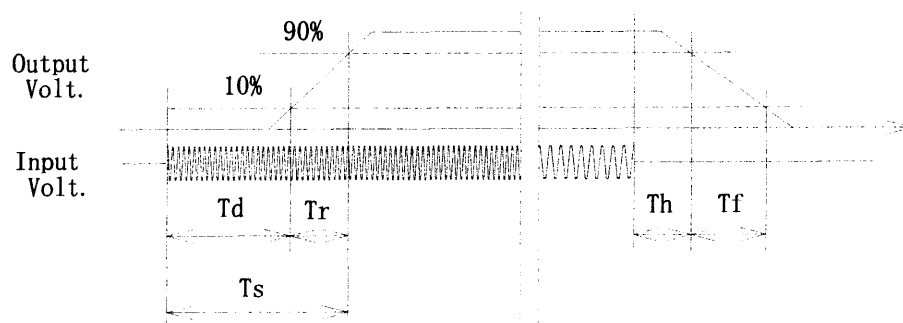
Input Volt. 85 V



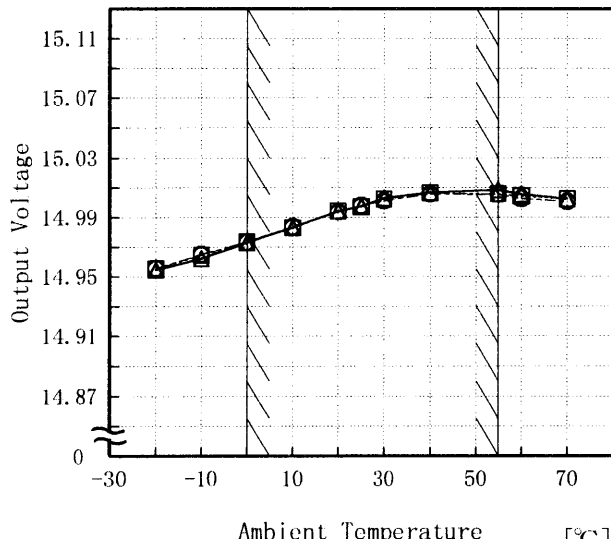
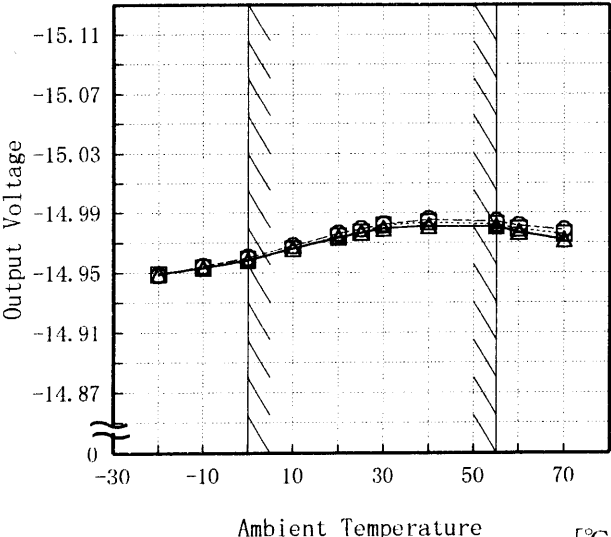
2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	60.5	2.0	62.5	26.4	20.6
100 %	60.5	2.0	62.5	17.8	22.0



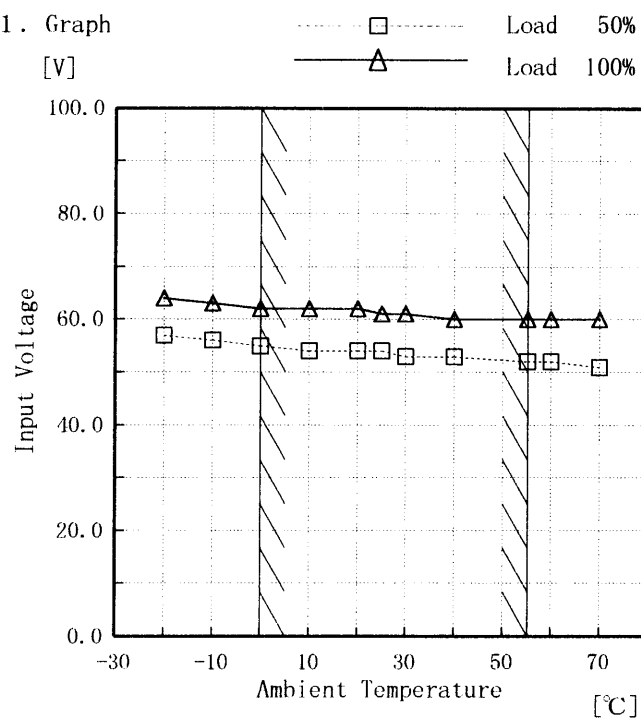
COSEL

Model		YW515A		Testing Circuitry Figure A																																																				
Item		Ambient Temperature Drift 周囲温度変動																																																						
Object		+15.0V0.17A																																																						
1. Graph		2. Values																																																						
<div><div>[V]</div><div></div><div>Ambient Temperature [°C]</div><div>Load 100%</div></div>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 85 [V]</th><th>Input Volt. 100 [V]</th><th>Input Volt. 132 [V]</th></tr><tr><td>-20</td><td>14.954</td><td>14.956</td><td>14.956</td></tr><tr><td>-10</td><td>14.962</td><td>14.965</td><td>14.965</td></tr><tr><td>0</td><td>14.973</td><td>14.973</td><td>14.974</td></tr><tr><td>10</td><td>14.983</td><td>14.983</td><td>14.984</td></tr><tr><td>20</td><td>14.994</td><td>14.994</td><td>14.994</td></tr><tr><td>25</td><td>14.997</td><td>14.997</td><td>14.998</td></tr><tr><td>30</td><td>15.003</td><td>15.002</td><td>15.001</td></tr><tr><td>40</td><td>15.007</td><td>15.006</td><td>15.006</td></tr><tr><td>55</td><td>15.008</td><td>15.006</td><td>15.005</td></tr><tr><td>60</td><td>15.006</td><td>15.004</td><td>15.003</td></tr><tr><td>70</td><td>15.002</td><td>15.002</td><td>15.001</td></tr></table>				Ambient Temperature [°C]	Output Voltage [V]			Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]	-20	14.954	14.956	14.956	-10	14.962	14.965	14.965	0	14.973	14.973	14.974	10	14.983	14.983	14.984	20	14.994	14.994	14.994	25	14.997	14.997	14.998	30	15.003	15.002	15.001	40	15.007	15.006	15.006	55	15.008	15.006	15.005	60	15.006	15.004	15.003	70	15.002	15.002	15.001
Ambient Temperature [°C]	Output Voltage [V]																																																							
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]																																																					
-20	14.954	14.956	14.956																																																					
-10	14.962	14.965	14.965																																																					
0	14.973	14.973	14.974																																																					
10	14.983	14.983	14.984																																																					
20	14.994	14.994	14.994																																																					
25	14.997	14.997	14.998																																																					
30	15.003	15.002	15.001																																																					
40	15.007	15.006	15.006																																																					
55	15.008	15.006	15.005																																																					
60	15.006	15.004	15.003																																																					
70	15.002	15.002	15.001																																																					
Object		-15.0V0.17A		Testing Circuitry Figure A																																																				
1. Graph		2. Values																																																						
<div><div>[V]</div><div></div><div>Ambient Temperature [°C]</div><div>Load 100%</div></div>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 85 [V]</th><th>Input Volt. 100 [V]</th><th>Input Volt. 132 [V]</th></tr><tr><td>-20</td><td>-14.949</td><td>-14.949</td><td>-14.949</td></tr><tr><td>-10</td><td>-14.953</td><td>-14.954</td><td>-14.955</td></tr><tr><td>0</td><td>-14.958</td><td>-14.959</td><td>-14.960</td></tr><tr><td>10</td><td>-14.966</td><td>-14.966</td><td>-14.968</td></tr><tr><td>20</td><td>-14.973</td><td>-14.974</td><td>-14.976</td></tr><tr><td>25</td><td>-14.977</td><td>-14.977</td><td>-14.979</td></tr><tr><td>30</td><td>-14.980</td><td>-14.982</td><td>-14.983</td></tr><tr><td>40</td><td>-14.981</td><td>-14.984</td><td>-14.986</td></tr><tr><td>55</td><td>-14.981</td><td>-14.982</td><td>-14.984</td></tr><tr><td>60</td><td>-14.977</td><td>-14.979</td><td>-14.982</td></tr><tr><td>70</td><td>-14.972</td><td>-14.976</td><td>-14.978</td></tr></table>				Ambient Temperature [°C]	Output Voltage [V]			Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]	-20	-14.949	-14.949	-14.949	-10	-14.953	-14.954	-14.955	0	-14.958	-14.959	-14.960	10	-14.966	-14.966	-14.968	20	-14.973	-14.974	-14.976	25	-14.977	-14.977	-14.979	30	-14.980	-14.982	-14.983	40	-14.981	-14.984	-14.986	55	-14.981	-14.982	-14.984	60	-14.977	-14.979	-14.982	70	-14.972	-14.976	-14.978
Ambient Temperature [°C]	Output Voltage [V]																																																							
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]																																																					
-20	-14.949	-14.949	-14.949																																																					
-10	-14.953	-14.954	-14.955																																																					
0	-14.958	-14.959	-14.960																																																					
10	-14.966	-14.966	-14.968																																																					
20	-14.973	-14.974	-14.976																																																					
25	-14.977	-14.977	-14.979																																																					
30	-14.980	-14.982	-14.983																																																					
40	-14.981	-14.984	-14.986																																																					
55	-14.981	-14.982	-14.984																																																					
60	-14.977	-14.979	-14.982																																																					
70	-14.972	-14.976	-14.978																																																					
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	YW515A
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+15.0V0.17A

1. Graph

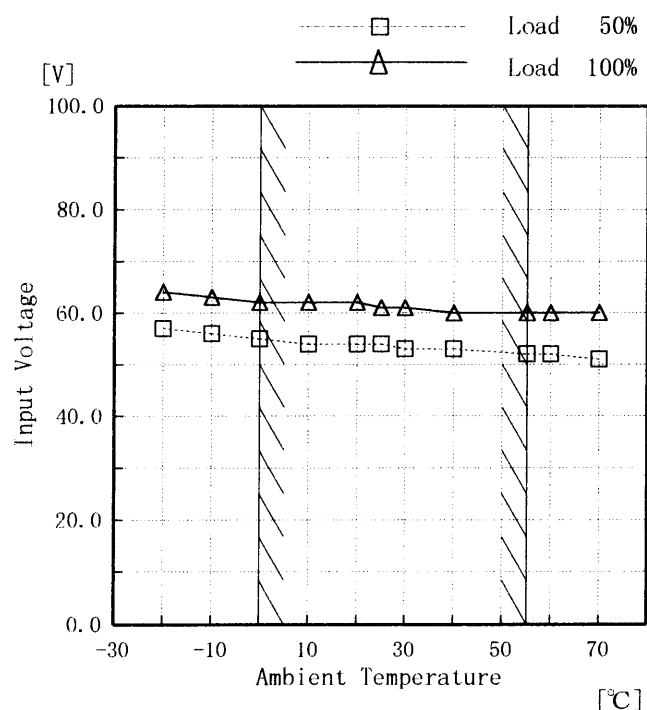


Testing Circuitry Figure A

2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	57	64
-10	56	63
0	55	62
10	54	62
20	54	62
25	54	61
30	53	61
40	53	60
55	52	60
60	52	60
70	51	60

Object	-15.0V0.17A
--------	-------------



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 Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	57	64
-10	56	63
0	55	62
10	54	62
20	54	62
25	54	61
30	53	61
40	53	60
55	52	60
60	52	60
70	51	60

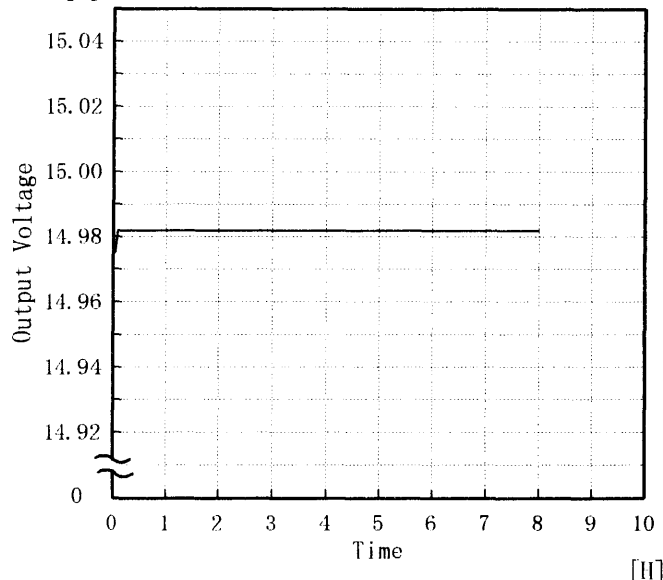
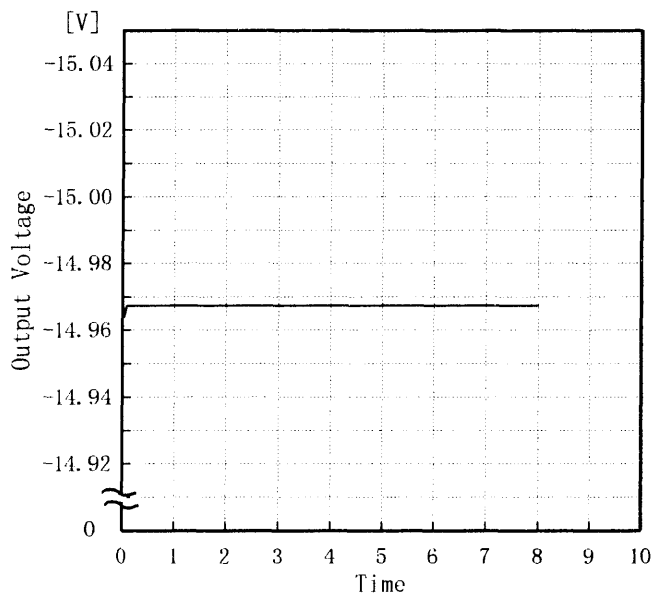
COSEL

Model		YW515A	
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)	
Object		+15.0V0.17A	
1. Graph			
[mV]		-----□----- Load 50% -----△----- Load 100%	
Input Volt. 100 V			
2. Values			
Ambient Temperature [°C]		Ripple Output Voltage [mV]	
		Load 50%	Load 100%
-20		20	30
-10		15	25
0		15	20
10		15	20
20		15	20
25		15	20
30		15	20
40		15	20
55		15	20
60		15	20
70		15	20

Object		-15.0V0.17A	
1. Graph			
[mV]		-----□----- Load 50% -----△----- Load 100%	
Input Volt. 100 V			
2. Values			
Ambient Temperature [°C]		Ripple Output Voltage [mV]	
		Load 50%	Load 100%
-20		20	30
-10		15	25
0		15	20
10		15	20
20		15	20
25		15	20
30		15	20
40		15	20
55		15	20
60		15	20
70		15	20

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

COSEL																									
Model	YW515A																								
Item	Time Lapse Drift 経時ドリフト	Temperature	25℃																						
		Testing Circuitry	Figure A																						
Object	+15.0V0.17A																								
1. Graph		2. Values																							
<div><p>[V]</p><p>Output Voltage [V]</p><p>Time [H]</p><p>Input Volt. 100V</p><p>Load 100%</p></div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>14.975</td></tr><tr><td>0.5</td><td>14.982</td></tr><tr><td>1.0</td><td>14.982</td></tr><tr><td>2.0</td><td>14.982</td></tr><tr><td>3.0</td><td>14.982</td></tr><tr><td>4.0</td><td>14.982</td></tr><tr><td>5.0</td><td>14.982</td></tr><tr><td>6.0</td><td>14.982</td></tr><tr><td>7.0</td><td>14.982</td></tr><tr><td>8.0</td><td>14.982</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	14.975	0.5	14.982	1.0	14.982	2.0	14.982	3.0	14.982	4.0	14.982	5.0	14.982	6.0	14.982	7.0	14.982	8.0	14.982
Time since start [H]	Output Voltage [V]																								
0.0	14.975																								
0.5	14.982																								
1.0	14.982																								
2.0	14.982																								
3.0	14.982																								
4.0	14.982																								
5.0	14.982																								
6.0	14.982																								
7.0	14.982																								
8.0	14.982																								
Object -15.0V0.17A																									
1. Graph		2. Values																							
<div><p>[V]</p><p>Output Voltage [V]</p><p>Time [H]</p><p>Input Volt. 100V</p><p>Load 100%</p></div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>-14.964</td></tr><tr><td>0.5</td><td>-14.967</td></tr><tr><td>1.0</td><td>-14.967</td></tr><tr><td>2.0</td><td>-14.967</td></tr><tr><td>3.0</td><td>-14.967</td></tr><tr><td>4.0</td><td>-14.967</td></tr><tr><td>5.0</td><td>-14.967</td></tr><tr><td>6.0</td><td>-14.967</td></tr><tr><td>7.0</td><td>-14.967</td></tr><tr><td>8.0</td><td>-14.967</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	-14.964	0.5	-14.967	1.0	-14.967	2.0	-14.967	3.0	-14.967	4.0	-14.967	5.0	-14.967	6.0	-14.967	7.0	-14.967	8.0	-14.967
Time since start [H]	Output Voltage [V]																								
0.0	-14.964																								
0.5	-14.967																								
1.0	-14.967																								
2.0	-14.967																								
3.0	-14.967																								
4.0	-14.967																								
5.0	-14.967																								
6.0	-14.967																								
7.0	-14.967																								
8.0	-14.967																								

COSEL

Model		YW515A		Temperature		25℃	
Item		Oscillator Frequency 発振周波数		Testing Circuitry		Figure A	
Object		+15.0V0.17A					
1. Graph				2. Values			
<div><div><div>—△—</div><div>Input Volt. 85 V</div></div><div><div>---□---</div><div>Input Volt. 100 V</div></div><div><div>---○---</div><div>Input Volt. 132 V</div></div></div> <div><div><div>[KHz]</div><div>1000</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div>							

COSEL

LOGEL

		Testing Circuitry Figure A
Model	YW515A	
Item	Condensation 結露特性	

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

Object	+15.0V0.17A
--------	-------------

Item	Data	Testing Conditions
Output Voltage [V]	15.000	Input Volt.: 100V, Load Current:0.17A
Line Regulation [mV]	1	Input Volt.: 85～132V, Load Current:0.17A
Load Regulation [mV]	283	Input Volt.: 100V, Load Current:0～0.17A

Object	－15.0V0.17A
--------	-------------

Item	Data	Testing Conditions
Output Voltage [V]	-14.980	Input Volt.: 100V, Load Current:0.17A
Line Regulation [mV]	3	Input Volt.: 85～132V, Load Current:0.17A
Load Regulation [mV]	252	Input Volt.: 100V, Load Current:0～0.17A

COSEL

Model	YW515A																												
Item	Leakage Current 漏洩電流	Temperature	25℃																										
Object		Testing Circuitry	Figure B																										
<p>1. Results</p> <table border="1"> <thead> <tr> <th rowspan="2">Standards</th><th colspan="3">Leakage Current [mA]</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>(A) DENTORI</td><td>0.16</td><td>0.19</td><td>0.25</td></tr> <tr> <td>(B) IEC60950</td><td>0.15</td><td>0.18</td><td>0.24</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th rowspan="2">Standards</th><th colspan="3">Leakage Current [mA]</th></tr> <tr> <th>Input Volt. 170 [V]</th><th>Input Volt. 230 [V]</th><th>Input Volt. 264 [V]</th></tr> </thead> <tbody> <tr> <td>(B) IEC60950</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>				Standards	Leakage Current [mA]			Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]	(A) DENTORI	0.16	0.19	0.25	(B) IEC60950	0.15	0.18	0.24	Standards	Leakage Current [mA]			Input Volt. 170 [V]	Input Volt. 230 [V]	Input Volt. 264 [V]	(B) IEC60950	—	—	—
Standards	Leakage Current [mA]																												
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]																										
(A) DENTORI	0.16	0.19	0.25																										
(B) IEC60950	0.15	0.18	0.24																										
Standards	Leakage Current [mA]																												
	Input Volt. 170 [V]	Input Volt. 230 [V]	Input Volt. 264 [V]																										
(B) IEC60950	—	—	—																										
		<p>2. Condition</p> <p>Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.</p> <p>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。</p>																											

COSEL

Model	YW515A	Temperature 25℃ Testing Circuitry Figure C
Item	Line Noise Tolerance 入力雑音耐量	
Object	+15.0V0.17A	

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	Conditions
50	COMMON	OK	no fluctuation	Input Voltage :100 V Pulse Voltage :2000 V Pulse Cycle :10 mS Pulse Input Duration:1 min. or more Load :100 %
	NORMAL	OK	no fluctuation	
1000	COMMON	OK	no fluctuation	
	NORMAL	OK	no fluctuation	

Object	-15.0V0.17A
--------	-------------

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	Conditions
50	COMMON	OK	no fluctuation	Input Voltage :100 V Pulse Voltage :2000 V Pulse Cycle :10 mS Pulse Input Duration:1 min. or more Load :100 %
	NORMAL	OK	no fluctuation	
1000	COMMON	OK	no fluctuation	
	NORMAL	OK	no fluctuation	

COSEL

Model	YW515A
Item	Conducted Emission 雑音端子電圧
Object	

Testing Circuitry Figure D

1. Graph

Remarks

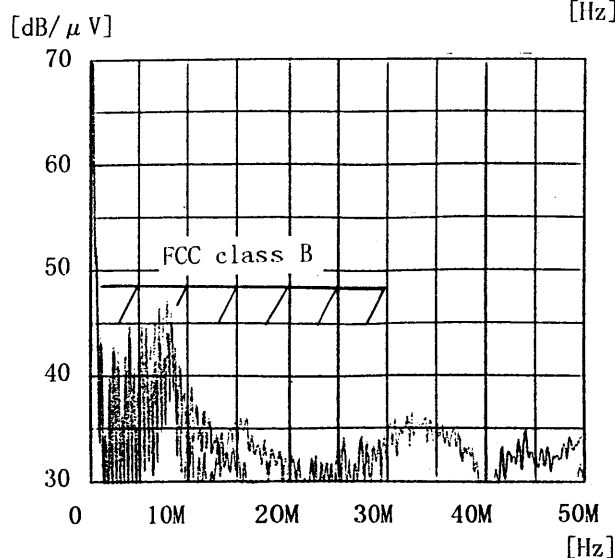
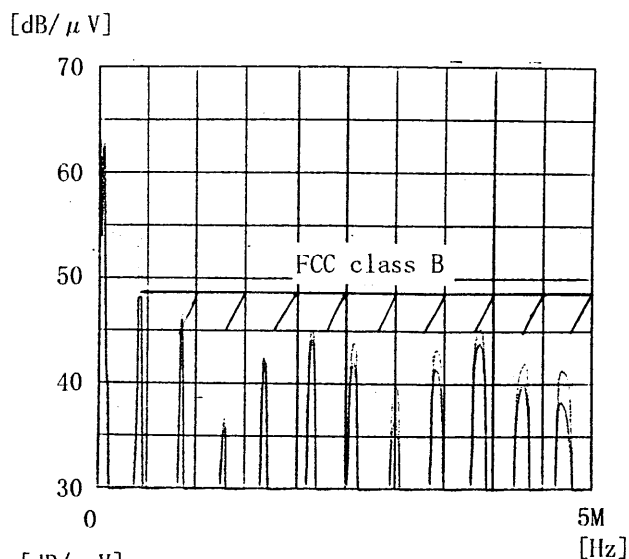
Input Volt. 120 V

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



COSEL

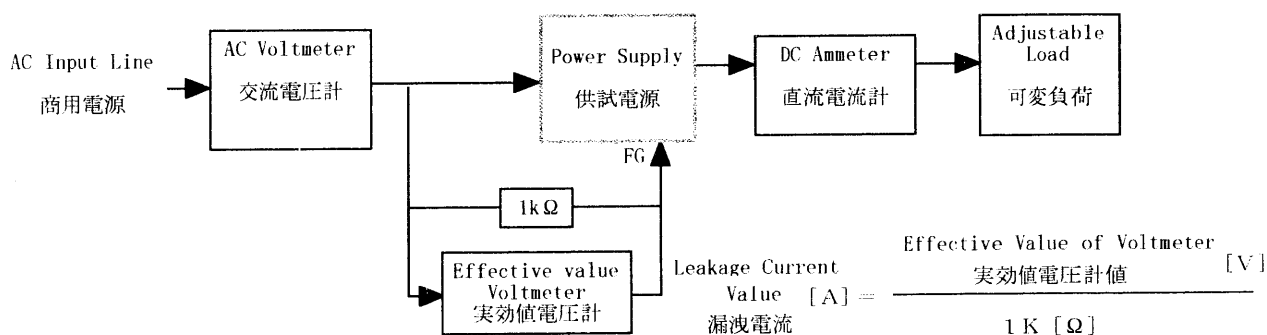
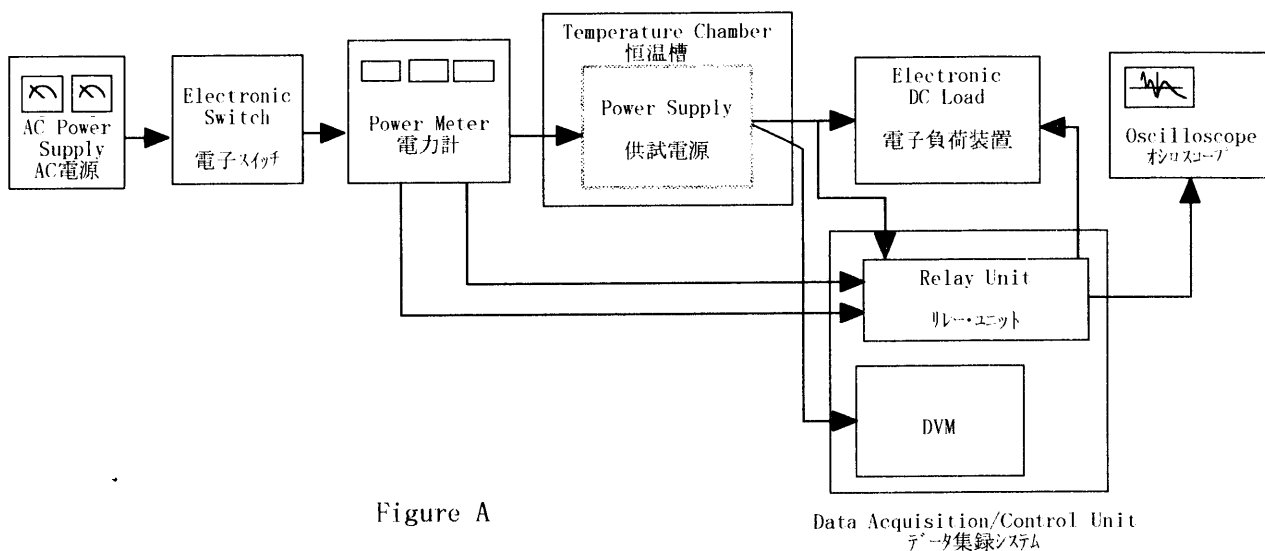


Figure B (DENTOR1)

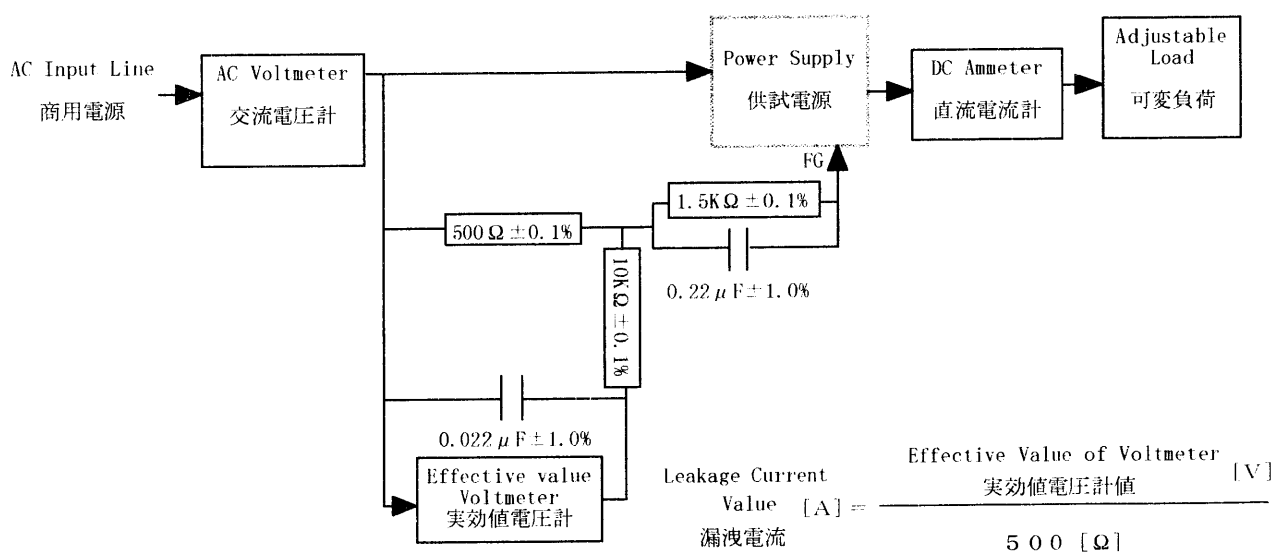


Figure B (IEC 60950)

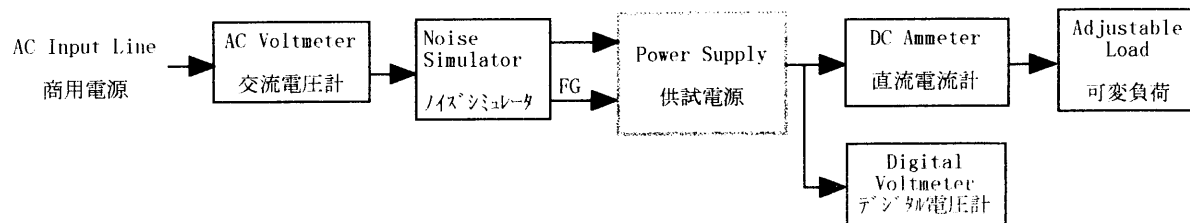


Figure C

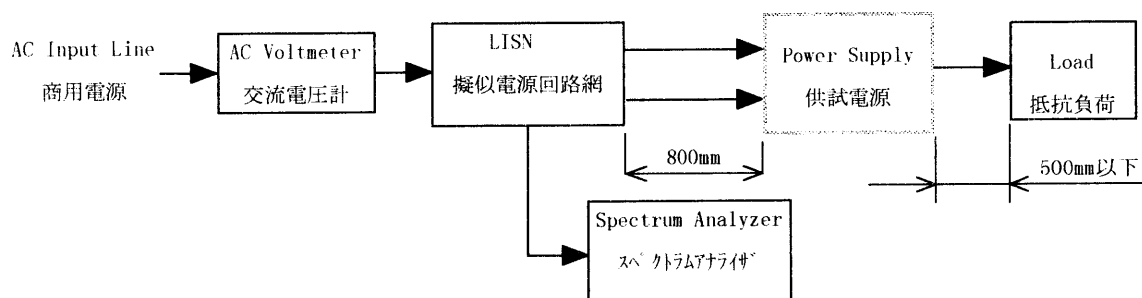


Figure D

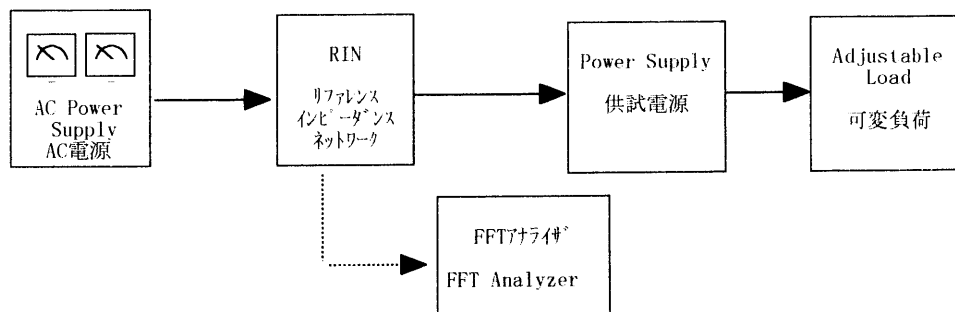


Figure E