



# TEST DATA OF LDA150W-12 (200V INPUT)

Regulated DC Power Supply

Dec. 1, 1999

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コーセル株式会社

COSEL CO., LTD.

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Model		LDA150W-12	Temperature Testing Circuitry	25℃ Figure A																																
Item		Line Regulation 静的入力変動																																		
Object		+12.0V12.5A																																		
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# COSEL

Model		LDA150W-12		Temperature		25℃																																																								
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<div><div>—△— Input Volt. 170V</div><div>—□— Input Volt. 200V</div><div>—○— Input Volt. 264V</div></div> <div><div>[A]</div><div>5</div><div>4</div><div>3</div><div>2</div><div>1</div><div>0</div><div>0</div><div>5</div><div>10</div><div>15</div><div>[A]</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>				<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Current [A]</th></tr><tr><th>Input Volt. 170 [V]</th><th>Input Volt. 200 [V]</th><th>Input Volt. 264 [V]</th></tr><tr><td>0.00</td><td>0.073</td><td>0.082</td><td>0.099</td></tr><tr><td>2.00</td><td>0.372</td><td>0.342</td><td>0.302</td></tr><tr><td>4.00</td><td>0.651</td><td>0.582</td><td>0.491</td></tr><tr><td>6.00</td><td>0.948</td><td>0.840</td><td>0.693</td></tr><tr><td>8.00</td><td>1.254</td><td>1.108</td><td>0.905</td></tr><tr><td>10.00</td><td>1.549</td><td>1.367</td><td>1.113</td></tr><tr><td>12.00</td><td>1.852</td><td>1.634</td><td>1.328</td></tr><tr><td>12.50</td><td>1.932</td><td>1.706</td><td>1.387</td></tr><tr><td>13.75</td><td>2.115</td><td>1.868</td><td>1.517</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. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]	0.00	0.073	0.082	0.099	2.00	0.372	0.342	0.302	4.00	0.651	0.582	0.491	6.00	0.948	0.840	0.693	8.00	1.254	1.108	0.905	10.00	1.549	1.367	1.113	12.00	1.852	1.634	1.328	12.50	1.932	1.706	1.387	13.75	2.115	1.868	1.517	—	—	—	—	—	—	—	—	—	—	—	—
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# COSEL

Model		LDA150W-12	
Item		Input Power (by Load Current) 入力電力 (負荷特性)	
Output			

1. Graph

△

Input Volt. 170V

□

Input Volt. 200V

○

Input Volt. 264V

Input Power [W]

500

400

300

200

100

0

0

5

10

15

Load Current [A]

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

(注) 斜線は定格負荷電流範囲を示す。

Load Current [A]	Input Power [W]		
	Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]
0.00	3.20	4.00	5.80
2.00	32.20	33.20	35.80
4.00	59.90	60.70	63.00
6.00	88.00	88.50	90.60
8.00	117.00	117.30	118.90
10.00	145.60	145.60	146.80
12.00	175.50	175.00	175.90
12.50	183.10	182.60	183.30
13.75	202.00	201.20	201.40
—	—	—	—
—	—	—	—
—	—	—	—

2. Values

**COSEL**

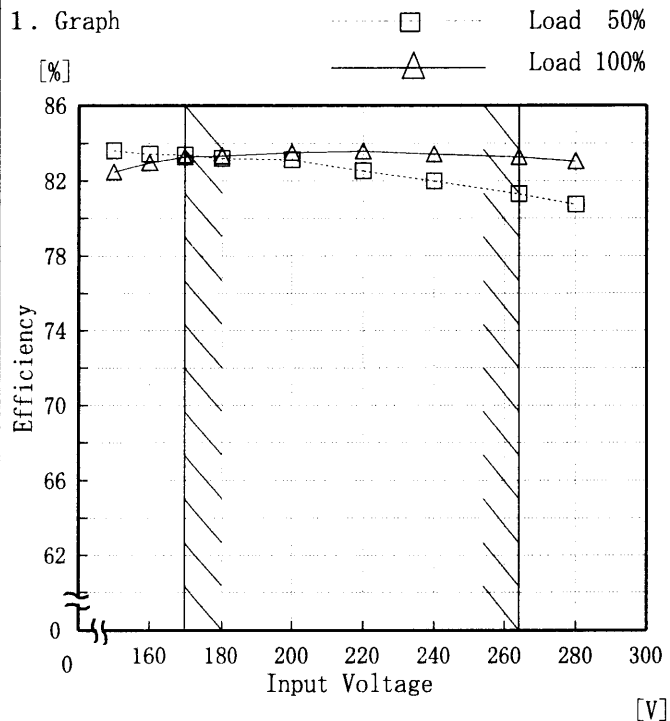
Model LDA150W-12

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

Object

Temperature 25°C  
Testing Circuitry Figure A

## 1. Graph



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]	Efficiency [%]	
	Load 50%	Load 100%
150	83.6	82.5
160	83.4	83.0
170	83.4	83.3
180	83.2	83.3
200	83.1	83.5
220	82.5	83.6
240	82.0	83.4
264	81.3	83.3
280	80.7	83.0

# COSEL

Model	LDA150W-12	Temperature	25°C
Item	Efficiency (by Load Current) 効率 (負荷特性)	Testing Circuitry	Figure A
Output	—————		

1. Graph

—△— Input Volt. 170V

—□— Input Volt. 200V

—○— Input Volt. 264V

Efficiency [%]

Load Current [A]

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

(注)斜線は定格負荷電流範囲を示す。

2. Values

Load Current [A]	Efficiency [%]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
2.00	77.2	74.9	69.7
4.00	82.1	80.9	77.9
6.00	83.4	82.9	80.9
8.00	83.7	83.5	82.4
10.00	83.6	83.6	83.0
12.00	83.4	83.6	83.1
12.50	83.3	83.6	83.3
13.75	83.0	83.3	83.2
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

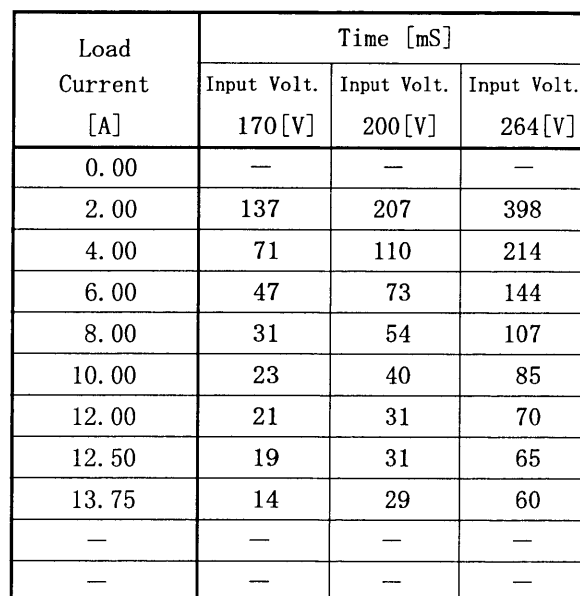
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Model LDA150W-12		Temperature 25°C Testing Circuitry Figure A																																
Item	Hold-Up Time 出力保持時間																																	
Object	+12.0V 12.5A																																	
<p>1. Graph</p> <p>-----□----- Load 50%          -----△----- Load 100%</p> <p>[mS]</p> <p>Hold-Up Time</p> <p>Input Voltage [V]</p> <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>		<p>2. Values</p> <table border="1"> <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>150</td><td>33</td><td>13</td></tr> <tr><td>160</td><td>40</td><td>16</td></tr> <tr><td>170</td><td>47</td><td>20</td></tr> <tr><td>180</td><td>55</td><td>23</td></tr> <tr><td>200</td><td>72</td><td>31</td></tr> <tr><td>220</td><td>91</td><td>40</td></tr> <tr><td>240</td><td>112</td><td>50</td></tr> <tr><td>264</td><td>139</td><td>63</td></tr> <tr><td>280</td><td>159</td><td>72</td></tr> </tbody> </table>	Input Voltage [V]	Hold-Up Time [mS]		Load 50%	Load 100%	150	33	13	160	40	16	170	47	20	180	55	23	200	72	31	220	91	40	240	112	50	264	139	63	280	159	72
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Temperature	25°C
Testing Circuitry	Figure A

## 2. Values



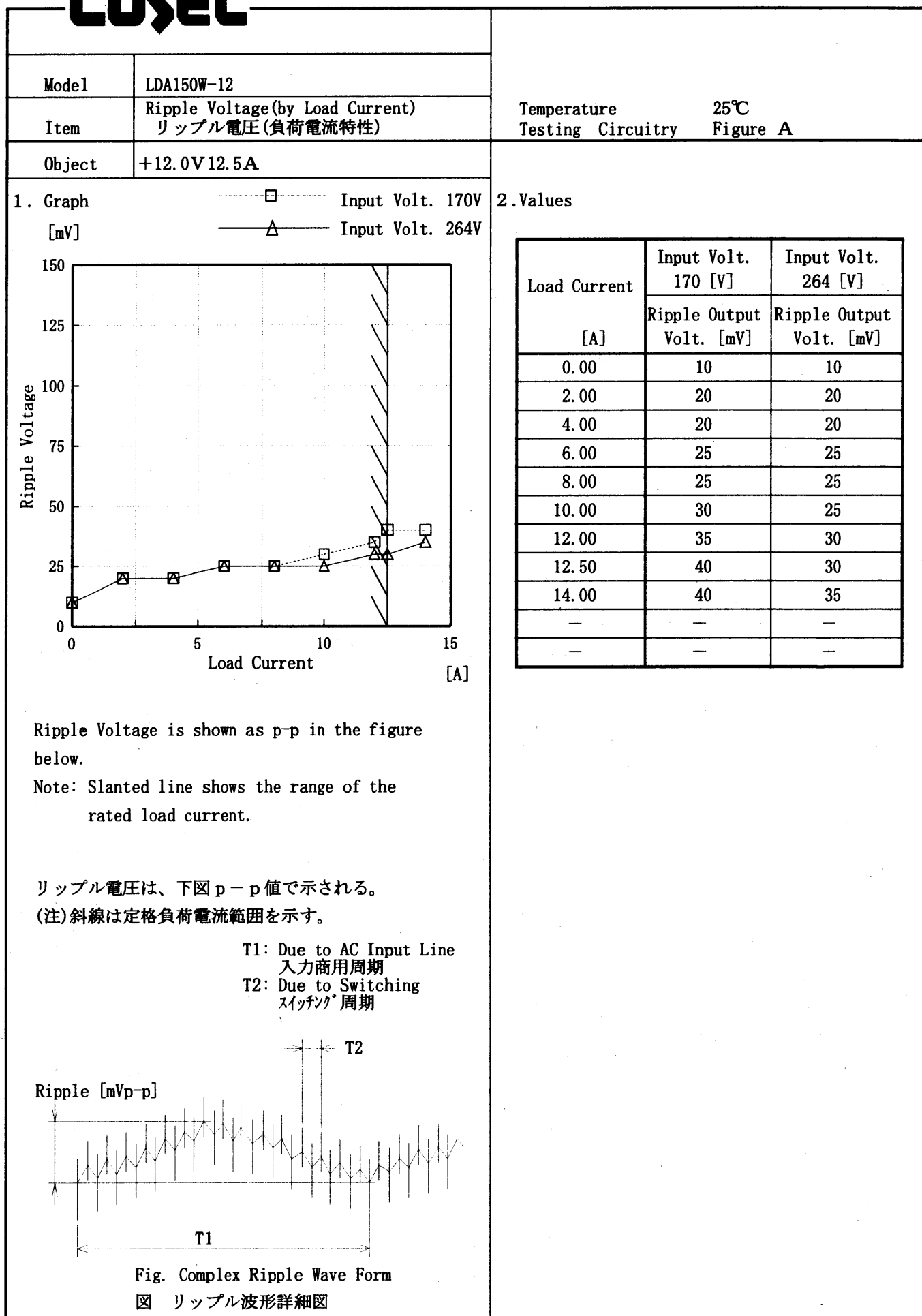
Note: Slanted line shows the range of the rated load current.

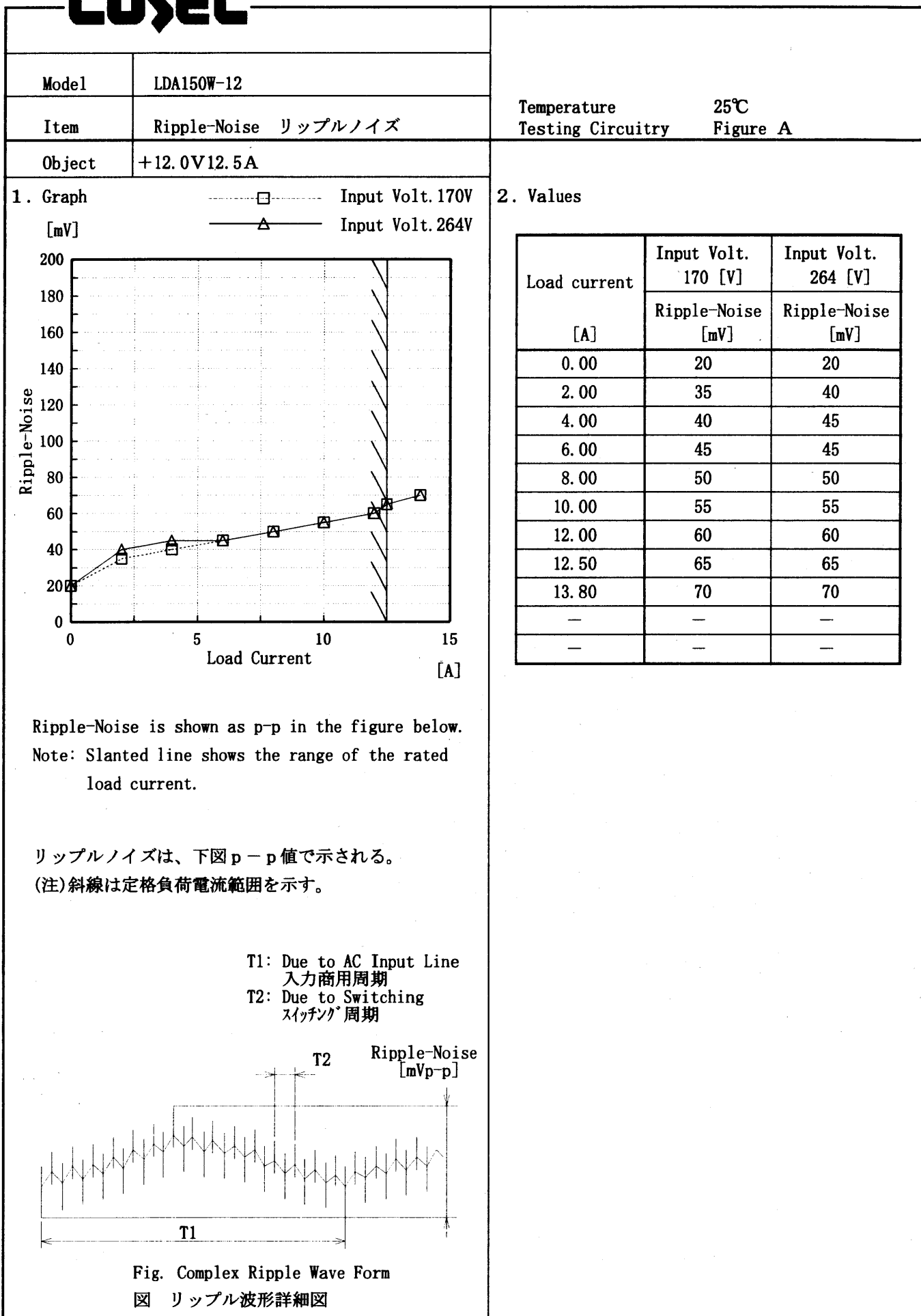
(注)斜線は定格負荷電流範囲を示す。

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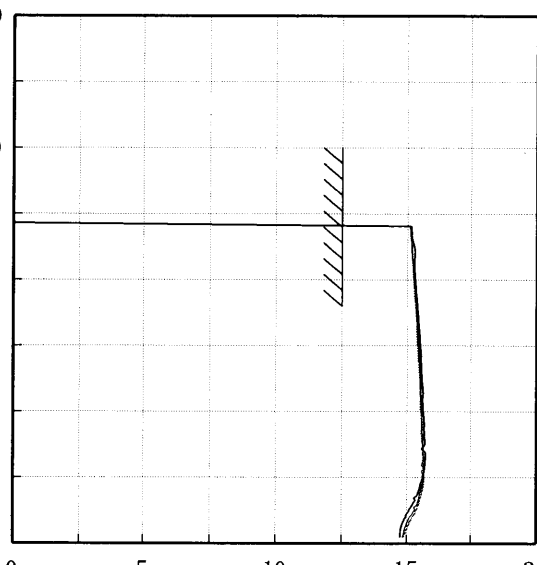
Model		LDA150W-12		Temperature		25℃	
Item		Load Regulation  静的負荷変動		Testing Circuitry		Figure A	
Object		+12.0V12.5A					
1. Graph				2. Values			
<div><div><div>△</div><div>□</div><div>○</div></div><div>Input Volt.170 V Input Volt.200 V Input Volt.264 V</div></div> <div><div><div>Output Voltage [V]</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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# COSEL



**COSEL**

# COSEL

Model		LDA150W-12	Temperature Testing Circuitry	25℃ Figure A																																																						
Item		Overcurrent Protection 過電流保護																																																								
Object		+12.0V 12.5A																																																								
1. Graph		<div><div><div></div><div></div><div></div></div><div>Input Volt. 170 V Input Volt. 200 V Input Volt. 264 V</div></div> <div><div>[V]</div><div><div>20.0</div><div>15.0</div><div>10.0</div><div>5.0</div><div>0.0</div></div><div><div>0</div><div>5</div><div>10</div><div>15</div><div>20</div></div><div>Output Voltage</div><div>Load Current</div><div>[A]</div></div>  <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></div>	2. Values																																																							
		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 170 [V]</th><th>Input Volt. 200 [V]</th><th>Input Volt. 264 [V]</th></tr><tr><td>12.00</td><td>15.119</td><td>15.090</td><td>15.143</td></tr><tr><td>11.40</td><td>15.158</td><td>15.134</td><td>15.223</td></tr><tr><td>10.80</td><td>15.193</td><td>15.176</td><td>15.274</td></tr><tr><td>9.60</td><td>15.272</td><td>15.293</td><td>15.330</td></tr><tr><td>8.40</td><td>15.393</td><td>15.351</td><td>15.431</td></tr><tr><td>7.20</td><td>15.424</td><td>15.456</td><td>15.536</td></tr><tr><td>6.00</td><td>15.497</td><td>15.525</td><td>15.589</td></tr><tr><td>4.80</td><td>15.558</td><td>15.572</td><td>15.641</td></tr><tr><td>3.60</td><td>15.613</td><td>15.607</td><td>15.675</td></tr><tr><td>2.40</td><td>15.662</td><td>15.633</td><td>15.594</td></tr><tr><td>1.20</td><td>15.384</td><td>15.293</td><td>15.086</td></tr><tr><td>0.00</td><td>14.894</td><td>14.859</td><td>14.765</td></tr></table>	Output Voltage [V]	Load Current [A]			Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]	12.00	15.119	15.090	15.143	11.40	15.158	15.134	15.223	10.80	15.193	15.176	15.274	9.60	15.272	15.293	15.330	8.40	15.393	15.351	15.431	7.20	15.424	15.456	15.536	6.00	15.497	15.525	15.589	4.80	15.558	15.572	15.641	3.60	15.613	15.607	15.675	2.40	15.662	15.633	15.594	1.20	15.384	15.293	15.086	0.00	14.894	14.859	14.765	
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# COSEL

Model		LDA150W-12
Item		Overvoltage Protection 過電圧保護
Object		+12.0V12.5A

1. Graph

—△—

Input Volt.170 V

—□—

Input Volt.200 V

—○—

Input Volt.264 V

[V]

Ambient Temperature [°C]

Load 0%

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

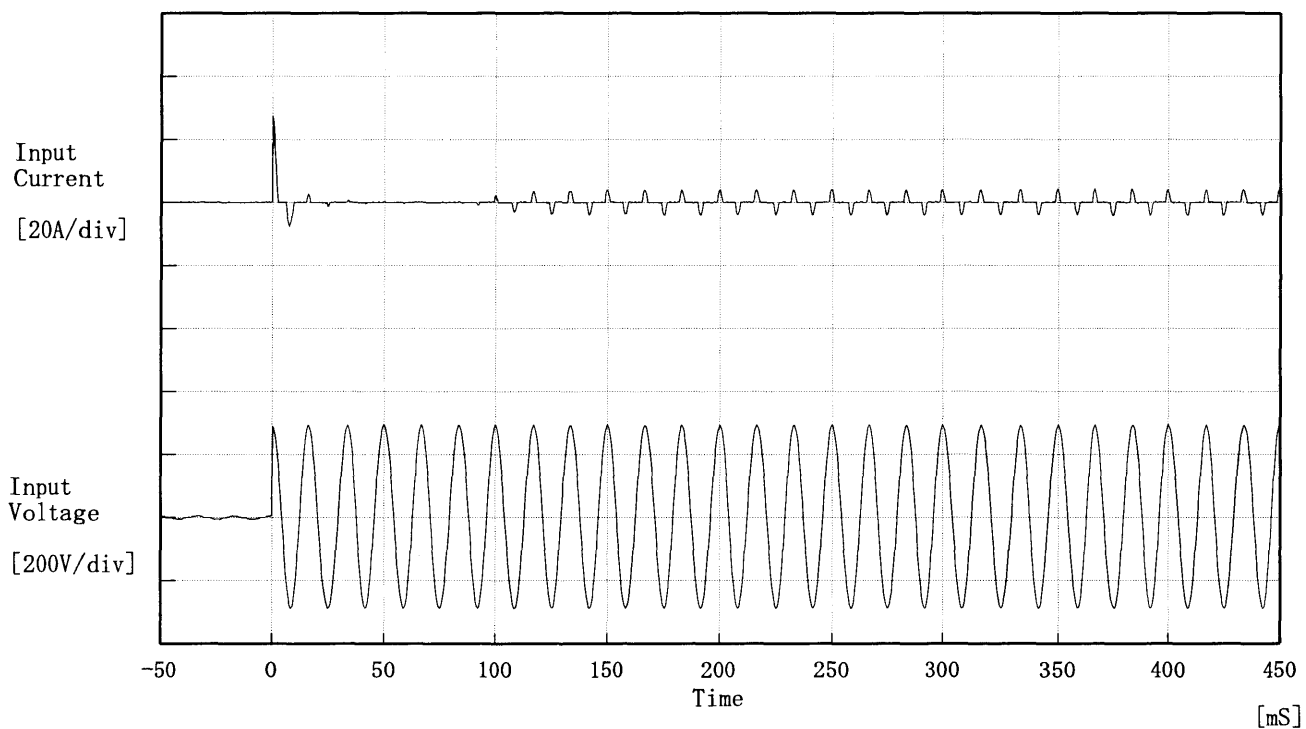
(注)斜線は定格周囲温度範囲を示す。

2. Values

Ambient Temp. [°C]	Operating Point [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	15.16	15.16	15.16
-10	15.23	15.23	15.23
0	15.37	15.37	15.37
10	15.44	15.44	15.44
20	15.58	15.51	15.51
25	15.58	15.58	15.58
30	15.65	15.65	15.65
40	15.72	15.72	15.72
50	15.86	15.86	15.86
60	15.93	15.93	15.93
—	—	—	—

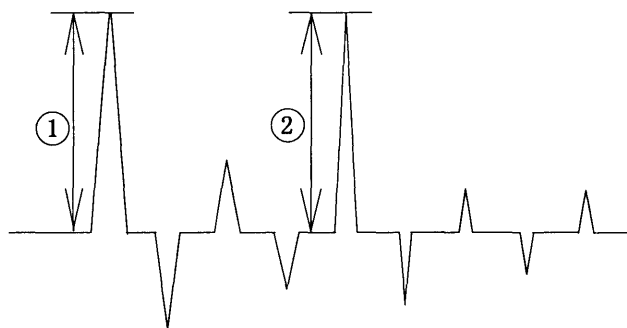
**COSEL**

Model	LDA150W-12	Temperature	25°C
Item	Inrush Current 突入電流	Testing Circuitry	Figure A
Object	_____		



Input Voltage 200 V  
Frequency 60 Hz  
Load 100 %  
Inrush Current

- ① 27.19 [A]  
② 4.39 [A]



**COSEL**

Model	LDA150W-12	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+12.0V 12.5A	

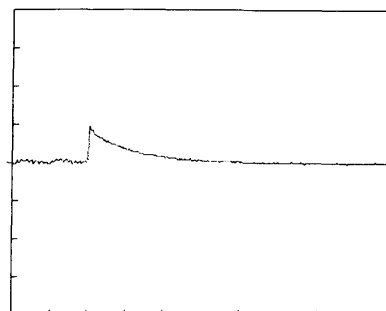
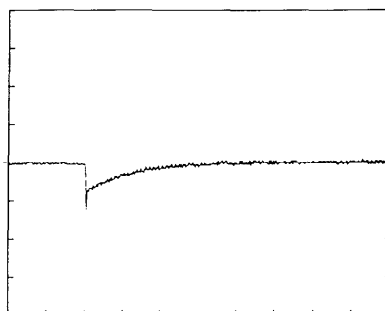
Input Volt. 200 V

Cycle 1000 mS

Load Current

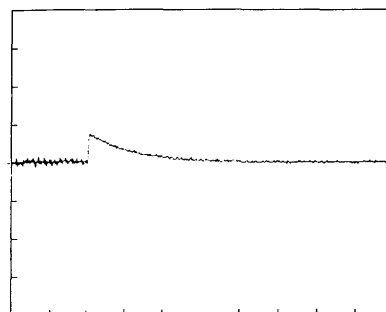
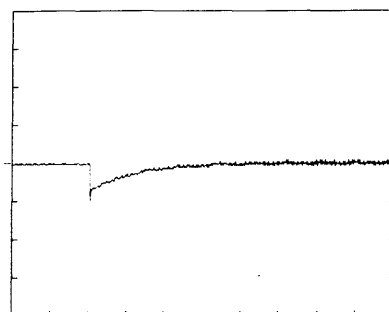
Load 0% ↔

Load 100 %



Load 0% ↔

Load 50 %



100 mV/div

10 mS/div

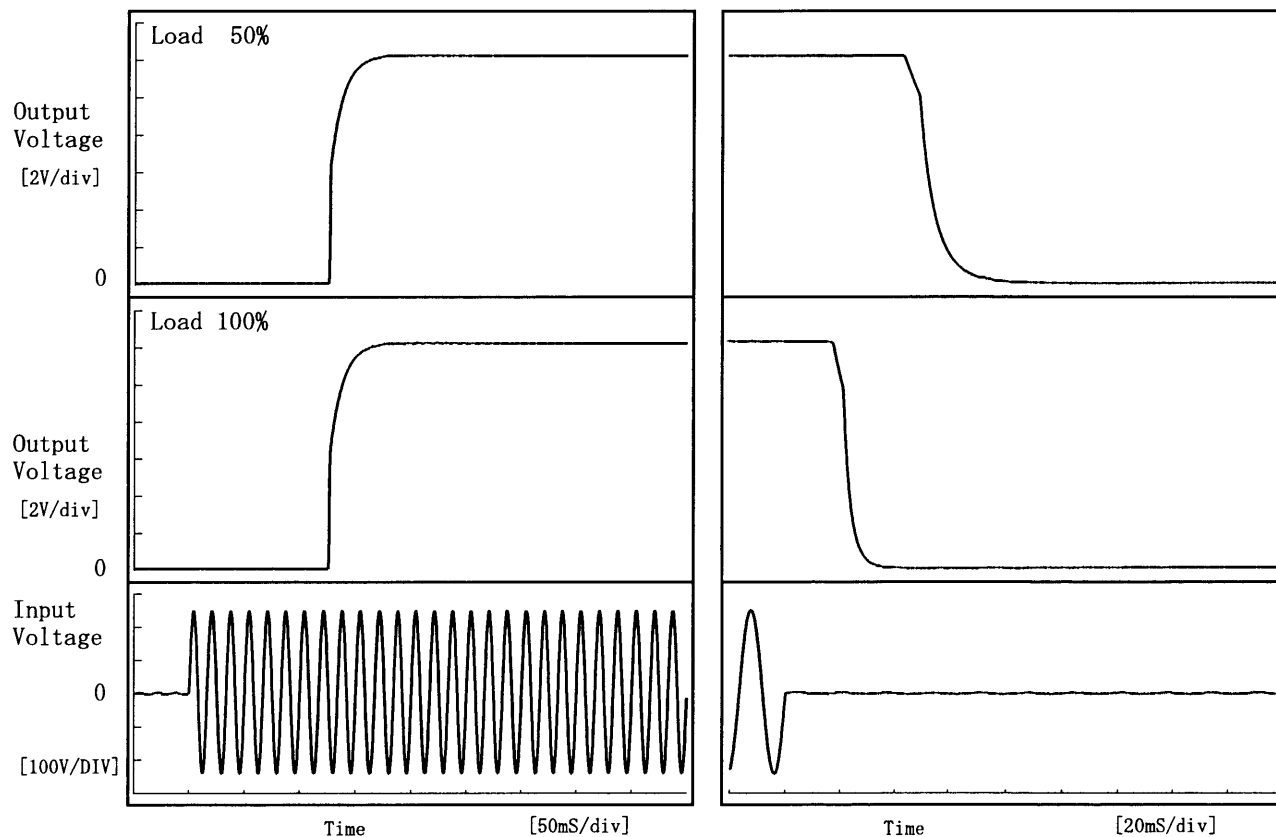


**COSEL**

Model	LDA150W-12	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+12.0V 12.5A		

## 1. Graph

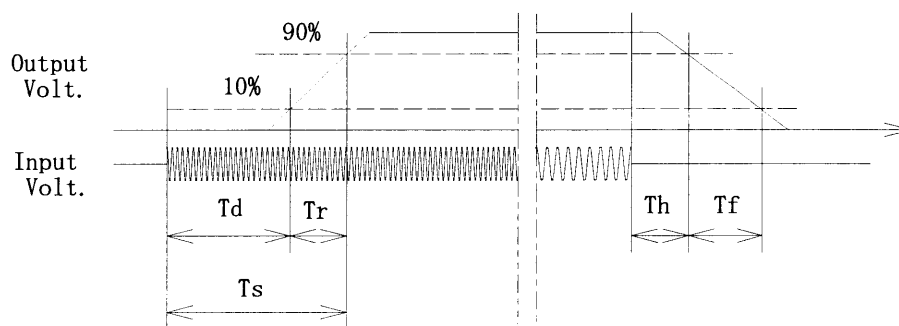
Input Volt. 170 V



## 2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	125.0	17.8	142.8	47.2	15.4
100 %	125.0	18.0	143.0	19.7	7.9



# COSEL

Model		LDA150W-12	Testing Circuitry	Figure A																																																	
Item		Ambient Temperature Drift 周囲温度変動																																																			
Object		+12.0V12.5A																																																			
1. Graph		<div><div><div>—△—</div><div>—□—</div><div>—○—</div></div><div><div>Input Volt. 170V</div><div>Input Volt. 200V</div><div>Input Volt. 264V</div></div></div> <div><div>[V]</div><div>Output Voltage [V]</div><div>Ambient Temperature [°C]</div><div>Load 100%</div></div> <div><div>Note: Slanted line shows the range of the rated ambient temperature.</div><div>(注) 斜線は定格周囲温度範囲を示す。</div></div>	2. Values																																																		
		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 170 [V]</th><th>Input Volt. 200 [V]</th><th>Input Volt. 264 [V]</th></tr><tr><td>-20</td><td>12.169</td><td>12.169</td><td>12.169</td></tr><tr><td>-10</td><td>12.165</td><td>12.165</td><td>12.165</td></tr><tr><td>0</td><td>12.160</td><td>12.160</td><td>12.161</td></tr><tr><td>10</td><td>12.156</td><td>12.156</td><td>12.156</td></tr><tr><td>20</td><td>12.153</td><td>12.153</td><td>12.153</td></tr><tr><td>25</td><td>12.151</td><td>12.151</td><td>12.151</td></tr><tr><td>30</td><td>12.150</td><td>12.150</td><td>12.150</td></tr><tr><td>40</td><td>12.144</td><td>12.144</td><td>12.144</td></tr><tr><td>50</td><td>12.135</td><td>12.135</td><td>12.135</td></tr><tr><td>60</td><td>12.126</td><td>12.126</td><td>12.126</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr></table>	Ambient Temperature [°C]	Output Voltage [V]			Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]	-20	12.169	12.169	12.169	-10	12.165	12.165	12.165	0	12.160	12.160	12.161	10	12.156	12.156	12.156	20	12.153	12.153	12.153	25	12.151	12.151	12.151	30	12.150	12.150	12.150	40	12.144	12.144	12.144	50	12.135	12.135	12.135	60	12.126	12.126	12.126	—	—	—	—
Ambient Temperature [°C]	Output Voltage [V]																																																				
	Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]																																																		
-20	12.169	12.169	12.169																																																		
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0	12.160	12.160	12.161																																																		
10	12.156	12.156	12.156																																																		
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60	12.126	12.126	12.126																																																		
—	—	—	—																																																		

LOREL

Model	LDA150W-12
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+12.0V 12.5A

1. Graph

Legend:

- Load 50%
- △ Load 100%

Ambient Temperature [°C]	Input Voltage [V] (Load 50%)	Input Voltage [V] (Load 100%)
-20	53	63
-10	52	62
0	52	62
10	52	62
20	52	62
30	52	62
40	52	62
50	51	62

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

(注)斜線は定格周囲温度範囲を示す。

Testing Circuitry Figure A

2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	53	63
-10	52	62
0	52	62
10	52	62
20	52	62
25	52	62
30	52	62
40	52	62
50	52	62
60	51	62
—	—	—

**COSEL**

Model		LDA150W-12
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)
Object		+12.0V12.5A

1. Graph

□ Load 50%

△ Load 100%

[mV]

150

125

100

75

50

25

0

Ripple Voltage

Ambient Temperature

[°C]

Input Volt. 200 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	45	60
-10	35	50
0	35	45
10	30	40
20	30	40
25	25	35
30	25	35
40	25	35
50	25	35
60	25	30
—	—	—

# COSEL

COSEL																									
Model	LDA150W-12																								
Item	Time Lapse Drift 経時ドリフト	Temperature	25℃																						
Object	+12.0V12.5A	Testing Circuitry	Figure A																						
1. Graph		2.Values																							
<div>[V]</div> <div><p>Output Voltage [V]</p><p>Time [H]</p><p>Input Volt. 200V</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>12.154</td></tr><tr><td>0.5</td><td>12.146</td></tr><tr><td>1.0</td><td>12.146</td></tr><tr><td>2.0</td><td>12.146</td></tr><tr><td>3.0</td><td>12.146</td></tr><tr><td>4.0</td><td>12.146</td></tr><tr><td>5.0</td><td>12.146</td></tr><tr><td>6.0</td><td>12.146</td></tr><tr><td>7.0</td><td>12.146</td></tr><tr><td>8.0</td><td>12.146</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	12.154	0.5	12.146	1.0	12.146	2.0	12.146	3.0	12.146	4.0	12.146	5.0	12.146	6.0	12.146	7.0	12.146	8.0	12.146
Time since start [H]	Output Voltage [V]																								
0.0	12.154																								
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6.0	12.146																								
7.0	12.146																								
8.0	12.146																								

# COSEL

Model		LDA150W-12	Testing Circuitry      Figure A
Item		Output Voltage Accuracy    定電圧精度	
Object		+12.0V12.5A	

## 1. 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 : 170~264 V

Load Current : 0~12.5 A

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

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

## 1. 定電圧精度

周囲温度、入力電圧、負荷電流を下記仕様内で、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            170~264 V

負荷電流            0~12.5 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) =  $\frac{\text{変動値}}{\text{定格出力電圧}} \times 100$

## 2. Values

Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	-10	264	12.5	12.165	±16	±0.2
Minimum Voltage	50	170	0.0	12.133		



**COSEL**

LUCEL					
Model	LDA150W-12			Temperature	25℃
Item	Leakage Current 漏洩電流			Testing Circuitry	Figure B
Object	_____				

1. Results

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]
(A) DENTORI	—	—	—
(B) IEC60950	—	—	—

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 230 [V]	Input Volt. 264 [V]
(B) IEC60950	0.34	0.47	0.54

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。

— 22 —

BC-4101



**COSEL**

Model	LDA150F-12		
Item	Line Noise Tolerance 入力雑音耐量	Temperature Testing Circuitry	25°C Figure C
Object	+12.0V 12.5A		

## 1. Results

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

## 2. Conditions

Input Voltage : 200 V  
 Pulse Voltage : 2000 V  
 Pulse Cycle : 10 mS  
 Pulse Input Duration : 1 min. or more  
 Load : 100 %

# COSEL

Model	LDA150W-12	Temperature	25°C
Item	Conducted Emission 雑音端子電圧	Testing Circuitry	Figure D
Object			

## 1. Graph

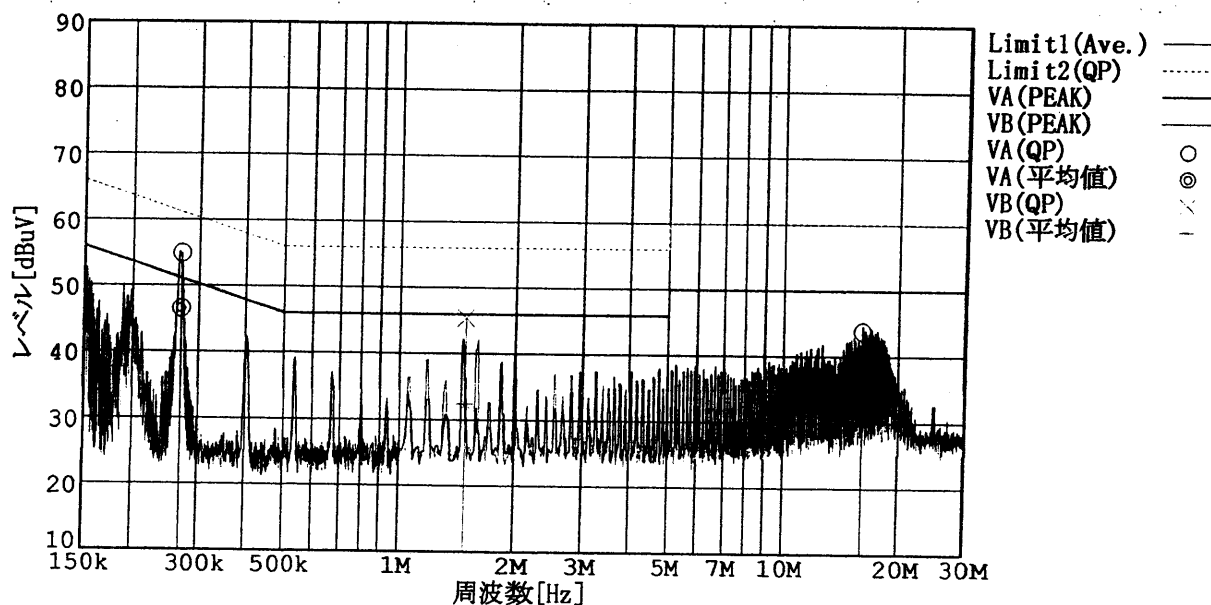
## Remarks

Input Volt. 230 V

Load 100 %

規格 1: [EN 55022] Class B(平均値)

規格 2: [EN 55022] Class B(QP)



**COSEL**

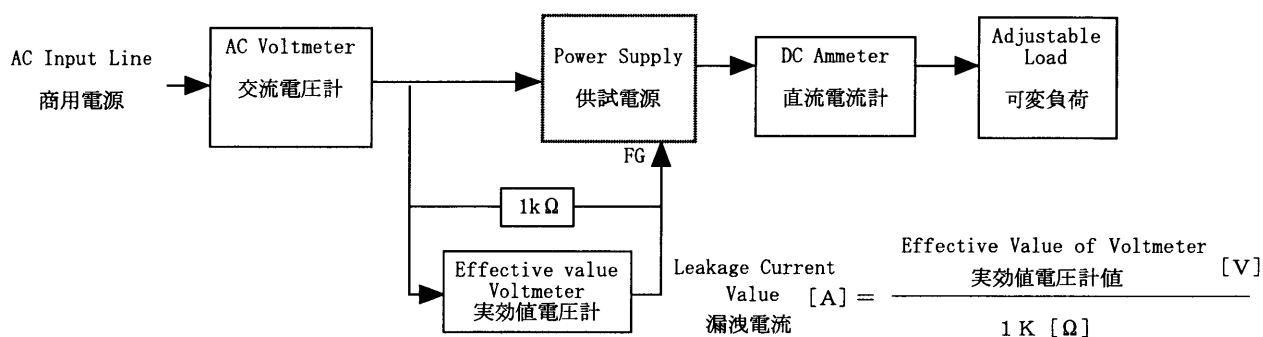
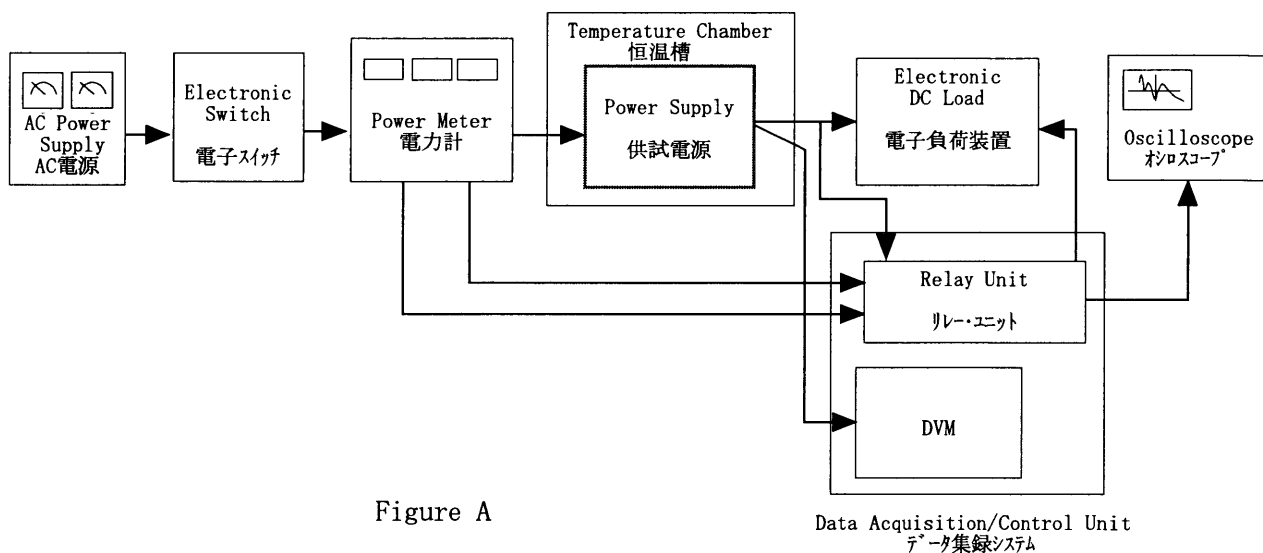


Figure B (DENTORI)

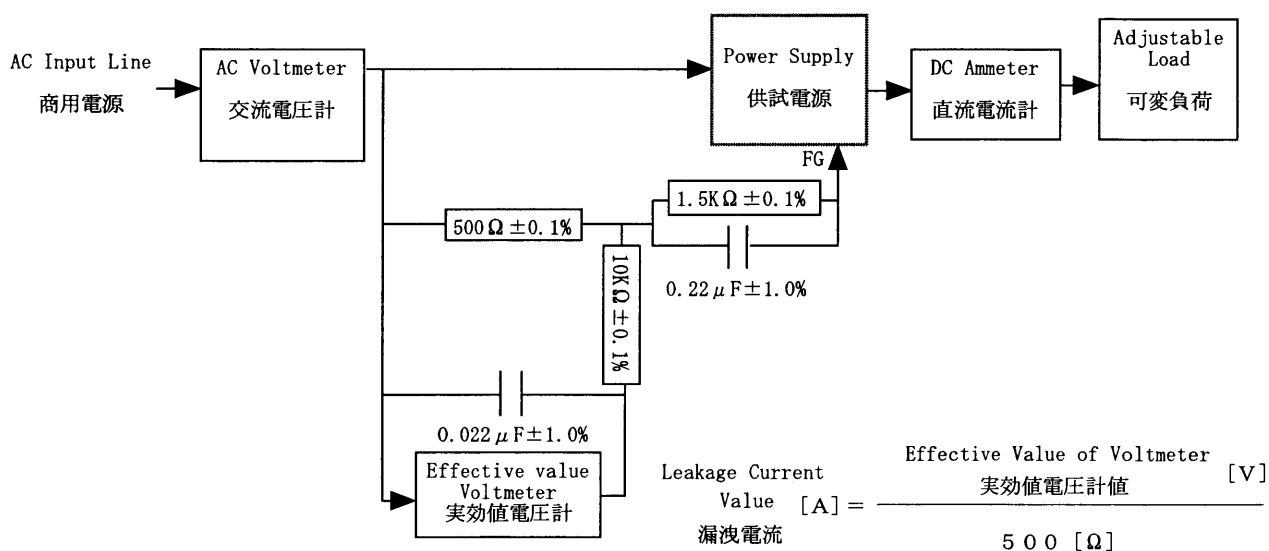


Figure B (IEC 60950)

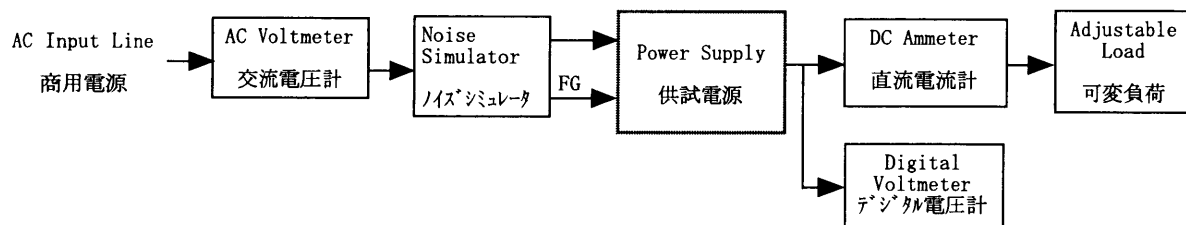


Figure C

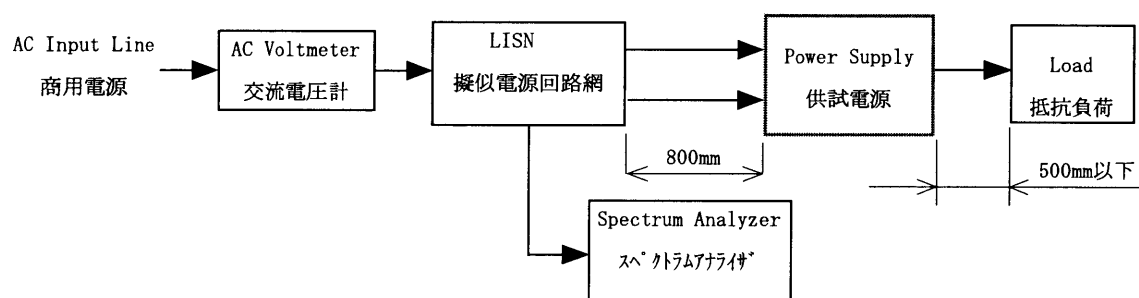


Figure D

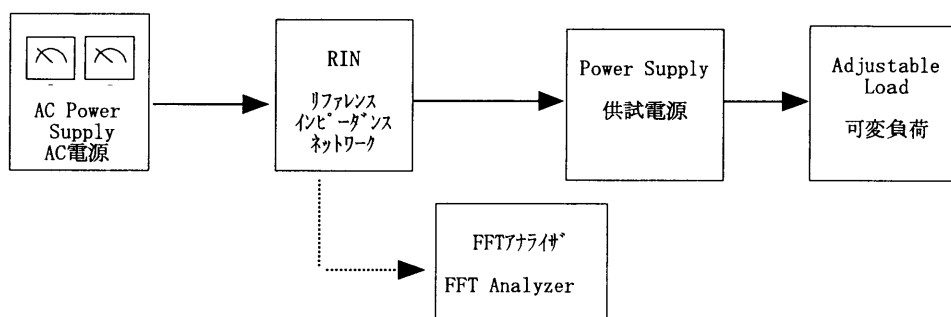


Figure E