



TEST DATA OF LDA30F-15 (200V INPUT)

Regulated DC Power Supply

Date : Aug. 17. 1999

Approved by : H. Yamaguchi
Design Manager

Prepared by : T. Ashihara
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. Hold-Up Time	6
出力保持時間	
7. Instantaneous Interruption Compensation	7
瞬時停電保障	
8. Load Regulation	8
静的負荷変動	
9. Ripple Voltage (by Load Current)	9
リップル電圧 (負荷特性)	
10. Ripple-Noise	10
リップルノイズ	
11. Overcurrent Protection	11
過電流保護	
12. Overvoltage Protection	12
過電圧保護	
13. Inrush Current	13
突入電流	
14. Dynamic Load Responce	14
動的負荷変動	
15. Rise and Fall Time	15
立上り、立下がり時間	
16. Ambient Temperature Drift	16
周囲温度変動	
17. Minimum Input Voltage for Regulated Output Voltage	17
最低レギュレーション電圧	
18. Ripple Voltage (by Ambient Temperature)	18
リップル電圧 (周囲温度特性)	
19. Time Lapse Drift	19
経時ドリフト	
20. Output Voltage Accuracy	20
定電圧精度	
21. Condensation	21
結露特性	
22. Leakage Current	22
漏洩電流	
23. Line Noise Tolerance	23
入力雑音耐量	
24. Conducted Emission	24
雑音端子電圧	
25. Figure of Testing Circuitry	25
測定回路図	

(Final Page 26)

COSEL

Model

LDA30F-15

Item

Line Regulation 静的入力変動

Object

+15.0V2A

Temperature

25°C

Testing Circuitry

Figure A

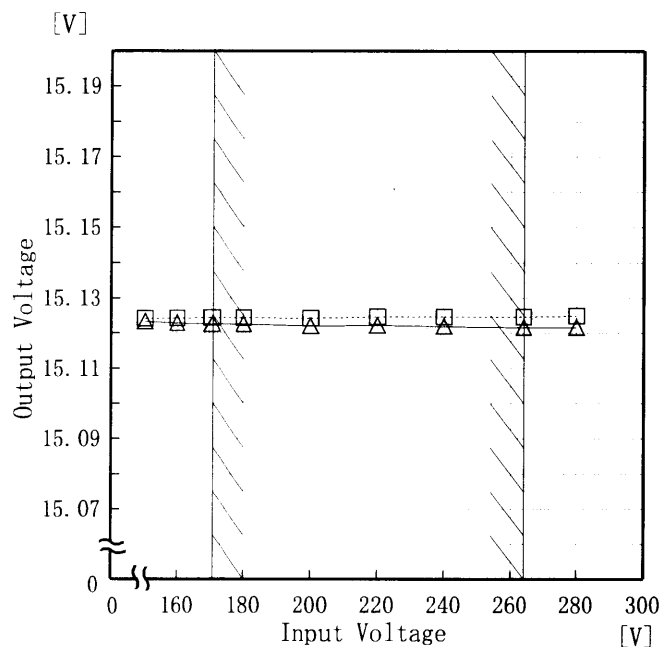
1. Graph



Load 50%



Load 100%



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

(注)斜線は定格入力電圧範囲を示す。

2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
150	15.124	15.123
160	15.124	15.123
170	15.124	15.123
180	15.124	15.123
200	15.124	15.122
220	15.125	15.122
240	15.125	15.122
264	15.125	15.122
280	15.125	15.122

COSEL

Model

LDA30F-15

Item

Input Current (by Load Current)
入力電流 (負荷特性)

Output

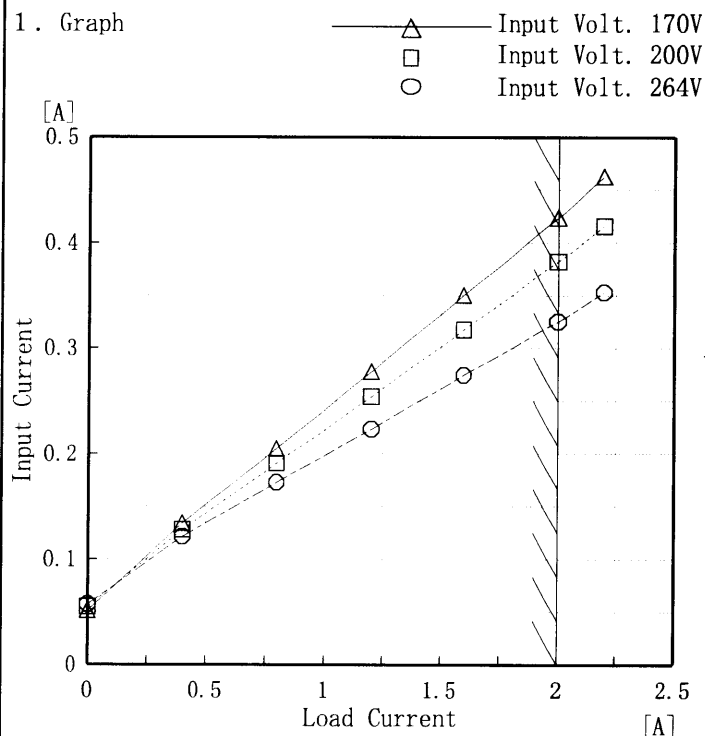
Temperature

25°C

Testing Circuitry

Figure A

1. Graph



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

(注) 斜線は定格負荷電流範囲を示す。

2. Values

Load Current [A]	Input Current [A]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0.0	0.051	0.055	0.057
0.4	0.134	0.128	0.122
0.8	0.205	0.191	0.173
1.2	0.278	0.254	0.224
1.6	0.350	0.318	0.275
2.0	0.424	0.382	0.325
2.2	0.462	0.416	0.353
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

COSEL

Model

LDA30F-15

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

Y-axis: [W]

0 10 20 30 40 50

X-axis: Load Current [A]

0 0.5 1 1.5 2 2.5

Load Current [A]	170V [W]	200V [W]	264V [W]
0.0	3.20	3.90	4.90
0.4	10.60	11.40	13.50
0.8	17.50	18.30	20.50
1.2	24.30	25.10	27.30
1.6	31.20	31.90	34.00
2.0	38.10	38.90	40.80
2.2	41.70	42.40	44.40

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

(注)斜線は定格負荷電流範囲を示す。

2. Values

Load Current [A]	Input Power [W]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0.0	3.20	3.90	4.90
0.4	10.60	11.40	13.50
0.8	17.50	18.30	20.50
1.2	24.30	25.10	27.30
1.6	31.20	31.90	34.00
2.0	38.10	38.90	40.80
2.2	41.70	42.40	44.40
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

COSEL

Model LDA30F-15		Temperature 25°C Testing Circuitry Figure A																																
Item	Efficiency 効率																																	
Object																																		
1. Graph <div> <div>□ Load 50%</div> <div>—△— Load 100%</div> </div> <p>Efficiency [%]</p> <p>Input Voltage [V]</p> <p>Note: Slanted line shows the range of the rated input voltage.</p> <p>(注)斜線は定格入力電圧範囲を示す。</p>		2. Values																																
		<table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th><th colspan="2">Efficiency [%]</th></tr> <tr> <th>Load 50%</th><th>Load 100%</th></tr> </thead> <tbody> <tr><td>150</td><td>73.0</td><td>80.6</td></tr> <tr><td>160</td><td>72.7</td><td>80.4</td></tr> <tr><td>170</td><td>72.0</td><td>79.9</td></tr> <tr><td>180</td><td>71.2</td><td>79.3</td></tr> <tr><td>200</td><td>70.0</td><td>78.4</td></tr> <tr><td>220</td><td>67.7</td><td>77.1</td></tr> <tr><td>240</td><td>65.8</td><td>75.8</td></tr> <tr><td>264</td><td>63.2</td><td>74.0</td></tr> <tr><td>280</td><td>61.4</td><td>72.0</td></tr> </tbody> </table>	Input Voltage [V]	Efficiency [%]		Load 50%	Load 100%	150	73.0	80.6	160	72.7	80.4	170	72.0	79.9	180	71.2	79.3	200	70.0	78.4	220	67.7	77.1	240	65.8	75.8	264	63.2	74.0	280	61.4	72.0
Input Voltage [V]	Efficiency [%]																																	
	Load 50%	Load 100%																																
150	73.0	80.6																																
160	72.7	80.4																																
170	72.0	79.9																																
180	71.2	79.3																																
200	70.0	78.4																																
220	67.7	77.1																																
240	65.8	75.8																																
264	63.2	74.0																																
280	61.4	72.0																																

COSEL

Model		LDA30F-15		Temperature		25℃																																																								
Item		Efficiency (by Load Current) 効率 (負荷電流特性)		Testing Circuitry		Figure A																																																								
Output		_____																																																												
1. Graph				2. Values																																																										
<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><div>Efficiency [%]</div><div><div></div><div>90</div><div>80</div><div>70</div><div>60</div><div>50</div><div>40</div><div></div></div></div><div><div></div><div>0.5</div><div>1</div><div>1.5</div><div>2</div><div>2.5</div></div><div><div></div><div>Load Current [A]</div></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>				<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Efficiency [%]</th></tr><tr><th>Input Volt. 170 [V]</th><th>Input Volt. 200 [V]</th><th>Input Volt. 264 [V]</th></tr><tr><td>0.4</td><td>57.6</td><td>53.7</td><td>45.0</td></tr><tr><td>0.8</td><td>69.4</td><td>66.5</td><td>59.3</td></tr><tr><td>1.2</td><td>75.2</td><td>72.8</td><td>67.0</td></tr><tr><td>1.6</td><td>78.0</td><td>76.2</td><td>71.6</td></tr><tr><td>2.0</td><td>79.7</td><td>78.1</td><td>74.4</td></tr><tr><td>2.2</td><td>80.2</td><td>78.9</td><td>75.4</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr></table>				Load Current [A]	Efficiency [%]			Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]	0.4	57.6	53.7	45.0	0.8	69.4	66.5	59.3	1.2	75.2	72.8	67.0	1.6	78.0	76.2	71.6	2.0	79.7	78.1	74.4	2.2	80.2	78.9	75.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Efficiency [%]																																																													
	Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]																																																											
0.4	57.6	53.7	45.0																																																											
0.8	69.4	66.5	59.3																																																											
1.2	75.2	72.8	67.0																																																											
1.6	78.0	76.2	71.6																																																											
2.0	79.7	78.1	74.4																																																											
2.2	80.2	78.9	75.4																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											
—	—	—	—																																																											
-5-				BC-4071																																																										

COSEL

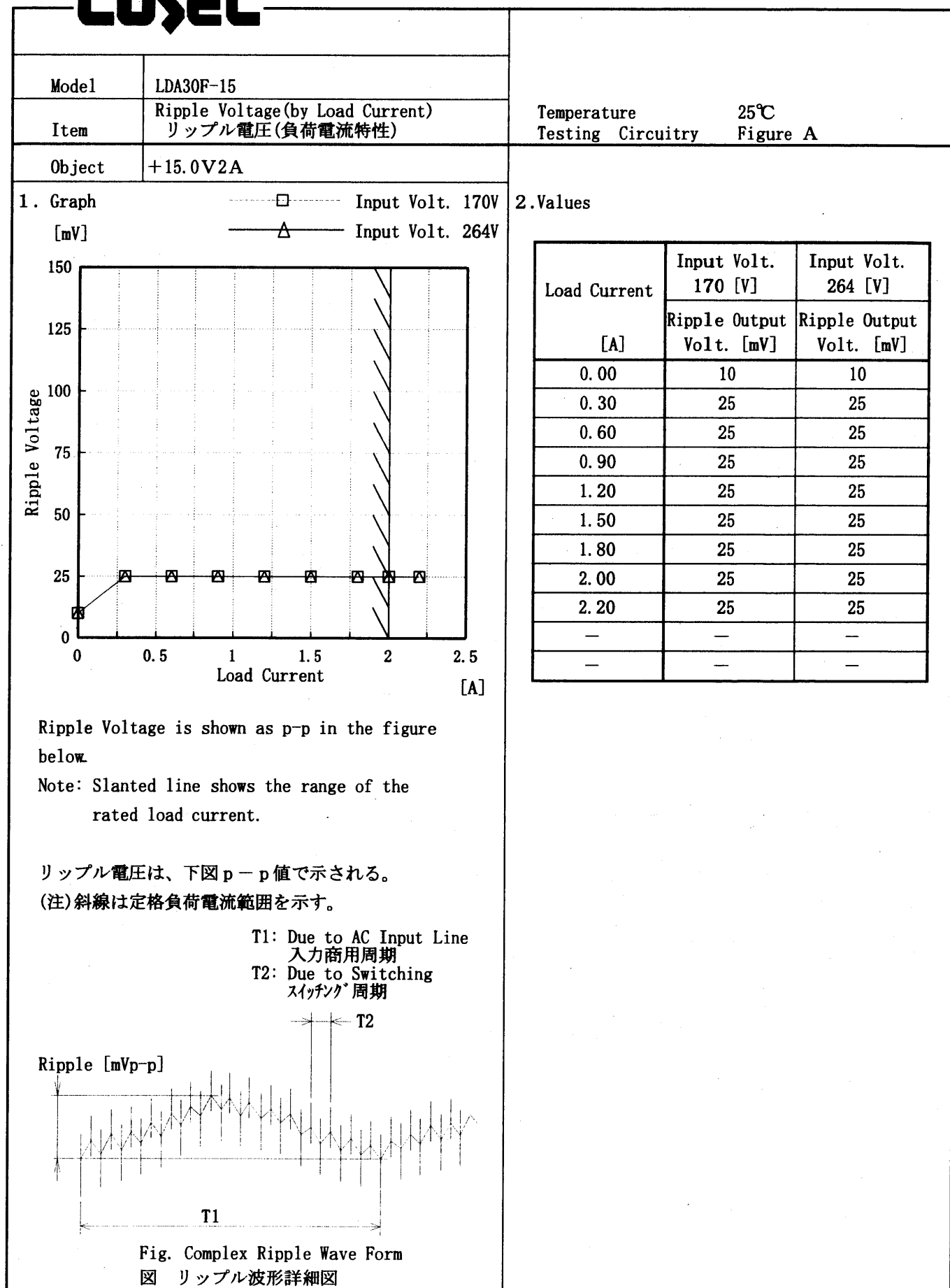
Model		LDA30F-15		Temperature		25℃																																	
Item		Hold-Up Time 出力保持時間		Testing Circuitry		Figure A																																	
Object		+15.0V2A																																					
1. Graph				2. Values																																			
<div><div><div>□ Load 50%</div><div>—△— Load 100%</div></div><div><div>[mS]</div><div><div>Hold-Up Time</div><div>Input Voltage [V]</div></div></div></div>				<table><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><tr><td>150</td><td>138</td><td>73</td></tr><tr><td>160</td><td>159</td><td>84</td></tr><tr><td>170</td><td>182</td><td>97</td></tr><tr><td>180</td><td>205</td><td>110</td></tr><tr><td>200</td><td>255</td><td>138</td></tr><tr><td>220</td><td>310</td><td>170</td></tr><tr><td>240</td><td>369</td><td>204</td></tr><tr><td>264</td><td>445</td><td>249</td></tr><tr><td>280</td><td>499</td><td>281</td></tr></table>				Input Voltage [V]	Hold-Up Time [mS]		Load 50%	Load 100%	150	138	73	160	159	84	170	182	97	180	205	110	200	255	138	220	310	170	240	369	204	264	445	249	280	499	281
Input Voltage [V]	Hold-Up Time [mS]																																						
	Load 50%	Load 100%																																					
150	138	73																																					
160	159	84																																					
170	182	97																																					
180	205	110																																					
200	255	138																																					
220	310	170																																					
240	369	204																																					
264	445	249																																					
280	499	281																																					
<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>																																							

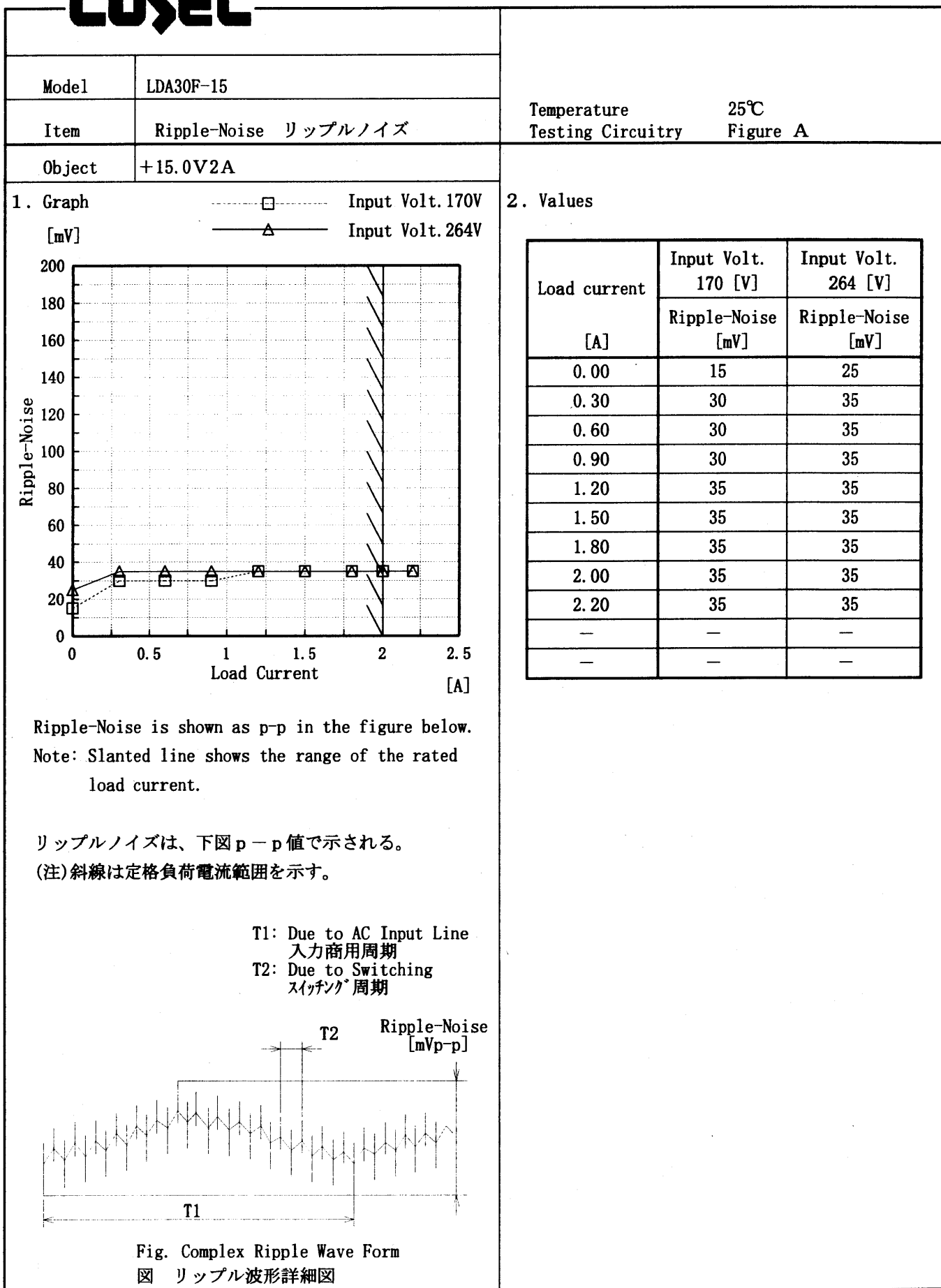
COSEL

Model		LDA30F-15		Temperature		25℃																																																				
Item		Instantaneous Interruption Compensation 瞬時停電保障		Testing Circuitry		Figure A																																																				
Object		+15.0V2A																																																								
1. Graph				2. Values																																																						
<div><div><div>—△—</div><div>- - -□- - -</div><div>- - -○- - -</div></div><div><p>Input Volt. 170 V</p><p>Input Volt. 200 V</p><p>Input Volt. 264 V</p></div></div> <div><div>[mS]</div><p>Instantaneous Compensation Time</p><p>Load Current [A]</p></div>				<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Time [mS]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>0.0</td><td>—</td><td>—</td><td>—</td></tr><tr><td>0.4</td><td>399</td><td>551</td><td>922</td></tr><tr><td>0.8</td><td>232</td><td>310</td><td>563</td></tr><tr><td>1.2</td><td>157</td><td>224</td><td>398</td></tr><tr><td>1.6</td><td>120</td><td>172</td><td>307</td></tr><tr><td>2.0</td><td>97</td><td>139</td><td>219</td></tr><tr><td>2.2</td><td>87</td><td>119</td><td>154</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]	Time [mS]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0.0	—	—	—	0.4	399	551	922	0.8	232	310	563	1.2	157	224	398	1.6	120	172	307	2.0	97	139	219	2.2	87	119	154	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Load Current [A]	Time [mS]																																																									
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]																																																							
0.0	—	—	—																																																							
0.4	399	551	922																																																							
0.8	232	310	563																																																							
1.2	157	224	398																																																							
1.6	120	172	307																																																							
2.0	97	139	219																																																							
2.2	87	119	154																																																							
—	—	—	—																																																							
—	—	—	—																																																							
—	—	—	—																																																							
—	—	—	—																																																							
<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 load current.</p>																																																										
<p>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。</p> <p>(注)斜線は定格負荷電流範囲を示す。</p>																																																										

Temperature	25°C
Testing Circuitry	Figure A

Load Current [A]	Output Voltage [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0.0	15.126	15.126	15.126
0.4	15.125	15.125	15.125
0.8	15.125	15.125	15.125
1.2	15.124	15.124	15.124
1.6	15.123	15.123	15.123
2.0	15.123	15.123	15.123
2.2	15.123	15.123	15.122
—	—	—	—
—	—	—	—
—	—	—	—

COSEL

COSEL

COSEL

Model		LDA30F-15	Temperature25℃ Testing Circuitry Figure A																																																					
Item		Overcurrent Protection 過電流保護																																																						
Object		+15.0V2A																																																						
1. Graph		2. Values																																																						
<div><div><div>-----</div><div>_____</div><div>————</div></div><div>Input Volt. 170 V</div><div>Input Volt. 200 V</div><div>Input Volt. 264 V</div></div> <div><div>[V]</div><div>20.0</div><div>15.0</div><div>10.0</div><div>5.0</div><div>0.0</div><div>Output Voltage</div></div> <div><div>0</div><div>1</div><div>2</div><div>3</div><div>Load Current</div><div>[A]</div></div> <div><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>15.00</td><td>2.46</td><td>2.48</td><td>2.53</td></tr><tr><td>14.25</td><td>2.48</td><td>2.50</td><td>2.55</td></tr><tr><td>13.50</td><td>2.50</td><td>2.52</td><td>2.55</td></tr><tr><td>12.00</td><td>2.53</td><td>2.55</td><td>2.61</td></tr><tr><td>10.50</td><td>2.57</td><td>2.61</td><td>2.62</td></tr><tr><td>9.00</td><td>2.60</td><td>2.60</td><td>2.65</td></tr><tr><td>7.50</td><td>2.61</td><td>2.63</td><td>2.68</td></tr><tr><td>6.00</td><td>2.63</td><td>2.64</td><td>2.69</td></tr><tr><td>4.50</td><td>2.63</td><td>2.64</td><td>2.68</td></tr><tr><td>3.00</td><td>2.61</td><td>2.61</td><td>2.61</td></tr><tr><td>1.50</td><td>2.46</td><td>2.41</td><td>2.31</td></tr><tr><td>0.00</td><td>1.85</td><td>1.72</td><td>1.55</td></tr></table></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>		Output Voltage [V]	Load Current [A]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	15.00	2.46	2.48	2.53	14.25	2.48	2.50	2.55	13.50	2.50	2.52	2.55	12.00	2.53	2.55	2.61	10.50	2.57	2.61	2.62	9.00	2.60	2.60	2.65	7.50	2.61	2.63	2.68	6.00	2.63	2.64	2.69	4.50	2.63	2.64	2.68	3.00	2.61	2.61	2.61	1.50	2.46	2.41	2.31	0.00	1.85	1.72	1.55
Output Voltage [V]	Load Current [A]																																																							
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]																																																					
15.00	2.46	2.48	2.53																																																					
14.25	2.48	2.50	2.55																																																					
13.50	2.50	2.52	2.55																																																					
12.00	2.53	2.55	2.61																																																					
10.50	2.57	2.61	2.62																																																					
9.00	2.60	2.60	2.65																																																					
7.50	2.61	2.63	2.68																																																					
6.00	2.63	2.64	2.69																																																					
4.50	2.63	2.64	2.68																																																					
3.00	2.61	2.61	2.61																																																					
1.50	2.46	2.41	2.31																																																					
0.00	1.85	1.72	1.55																																																					

COSEL

Model LDA30F-15

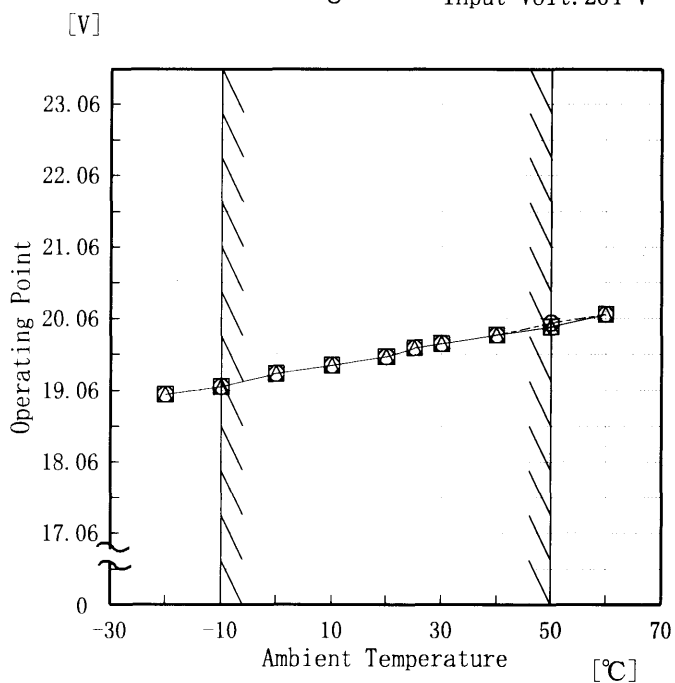
Item Overvoltage Protection
過電圧保護

Object +15.0V2A

Testing Circuitry Figure A

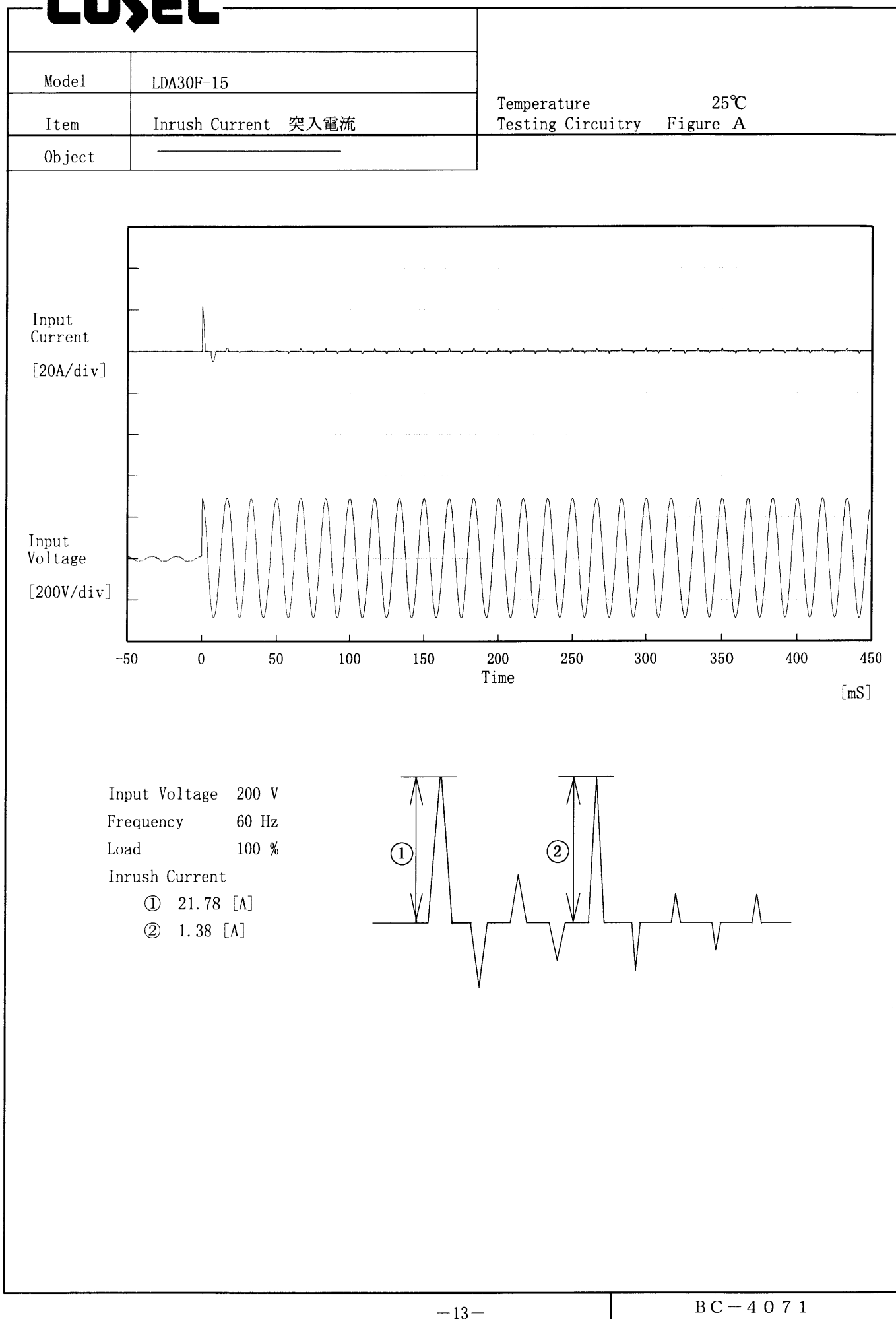
1. Graph

—△— Input Volt. 170 V
 □ Input Volt. 200 V
 ○ Input Volt. 264 V



2. Values

Ambient Temperature [°C]	Operating Point [V]		
	Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]
-20	19.00	19.00	19.00
-10	19.11	19.11	19.11
0	19.29	19.29	19.29
10	19.41	19.41	19.41
20	19.53	19.53	19.53
25	19.65	19.65	19.65
30	19.71	19.71	19.71
40	19.83	19.83	19.83
50	19.94	19.94	20.00
60	20.12	20.12	20.12
—	—	—	—

COSEL

COSEL

Model	LDA30F-15	Temperature 25℃ Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+15.0V2A	

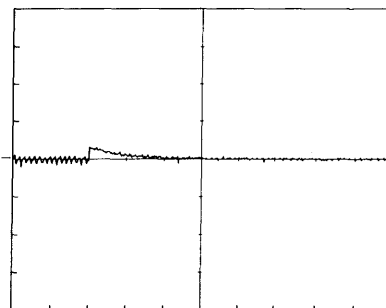
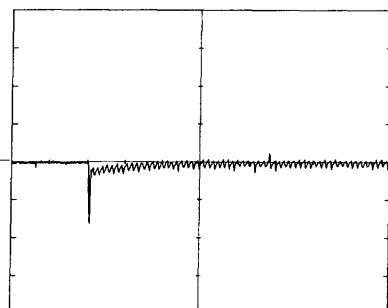
Input Volt. 200 V

Cycle 1000 mS

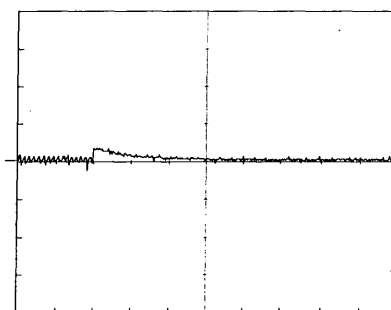
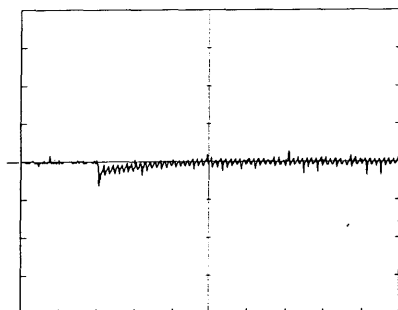
Load Current

Load 0% \longleftrightarrow

Load 100 %

Load 0% \longleftrightarrow

Load 50 %



100 mV/div

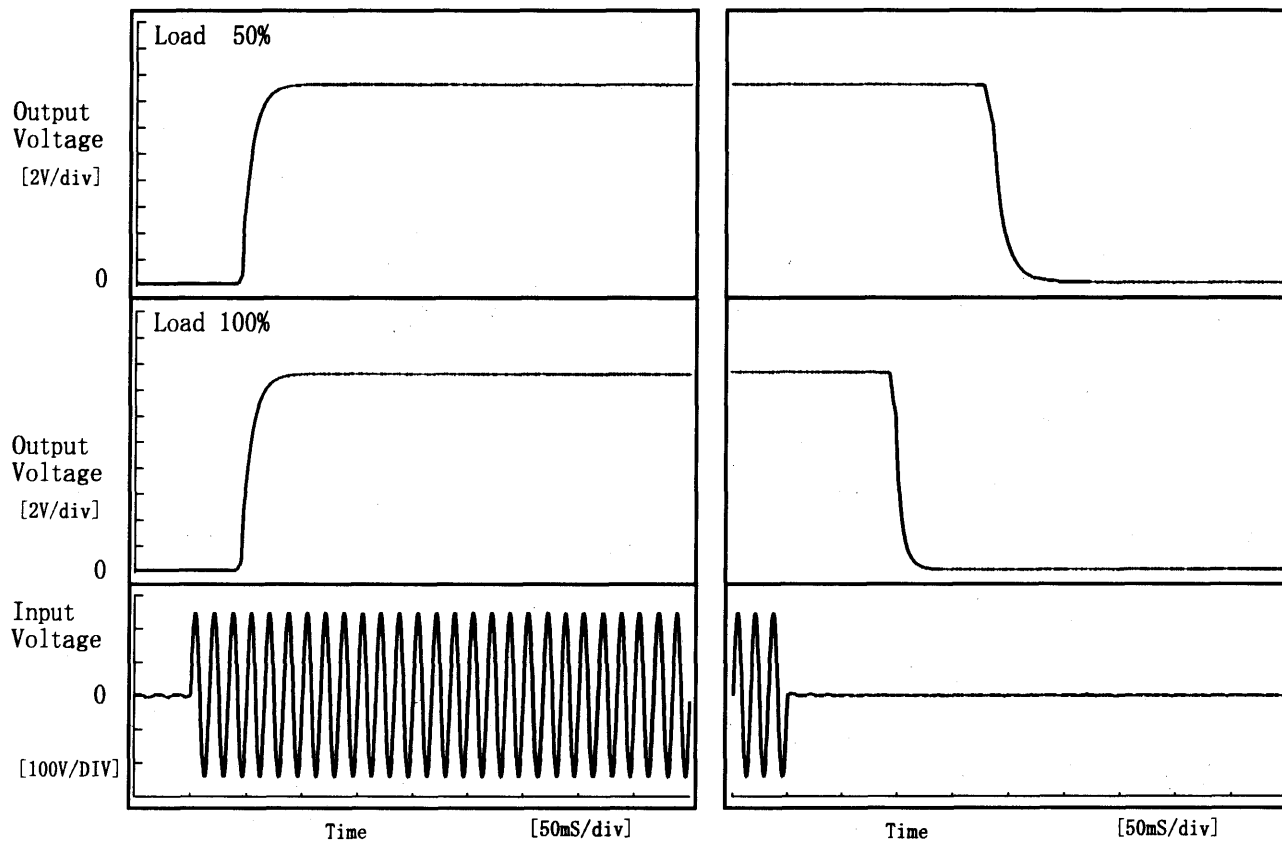
10 mS/div

COSEL

Model	LDA30F-15	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+15.0V2A		

1. Graph

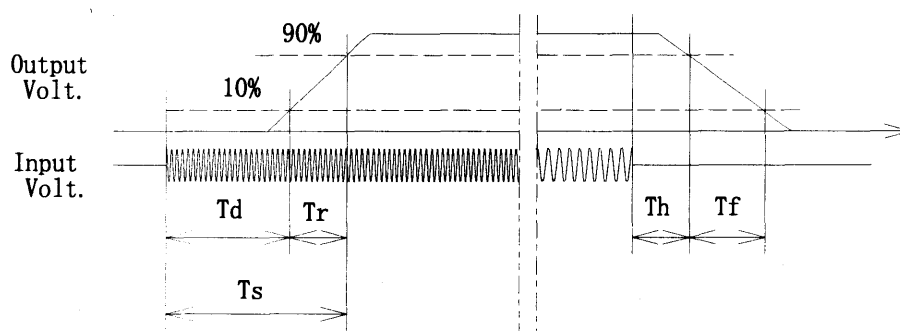
Input Volt. 170 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	44.5	19.3	63.8	181.5	27.0
100 %	44.5	19.5	64.0	96.5	14.5



COSEL

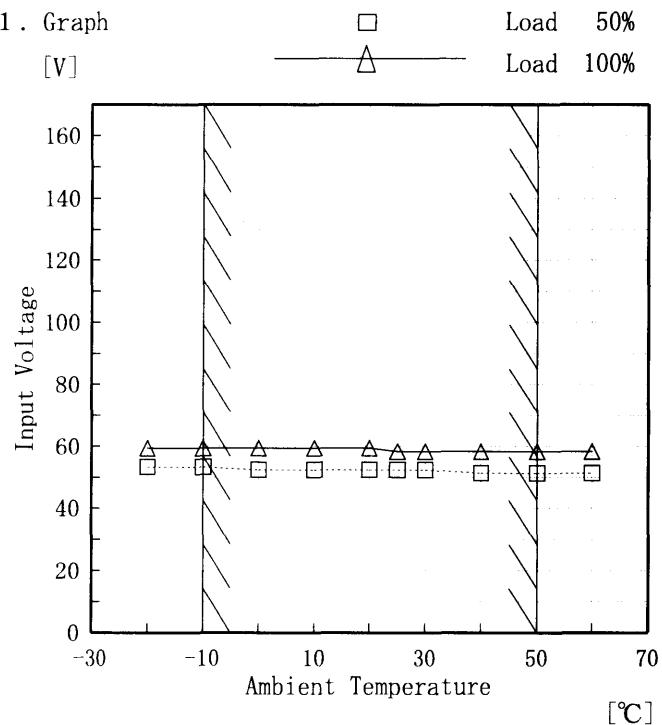
Model LDA30F-15

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

Object +15.0V2A

Testing Circuitry Figure A

1. Graph



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

(注) 斜線は定格周囲温度範囲を示す。

2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	53	59
-10	53	59
0	52	59
10	52	59
20	52	59
25	52	58
30	52	58
40	51	58
50	51	58
60	51	58
—	—	—

COSEL

Model		LDA30F-15	Testing Circuitry		Figure A
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)			
Object		+15.0V2A			
1. Graph					
		□ Load 50%			
		—△— Load 100%			
[mV]					
150					
125					
100					
75					
50					
25					
0					
-30					
-10					
10					
30					
50					
70					
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]	Ripple Output Volt. [mV]		
-20		70	70		
-10		50	50		
0		40	40		
10		35	35		
20		30	30		
25		25	25		
30		25	25		
40		25	25		
50		25	25		
60		20	20		
—		—	—		

COSEL

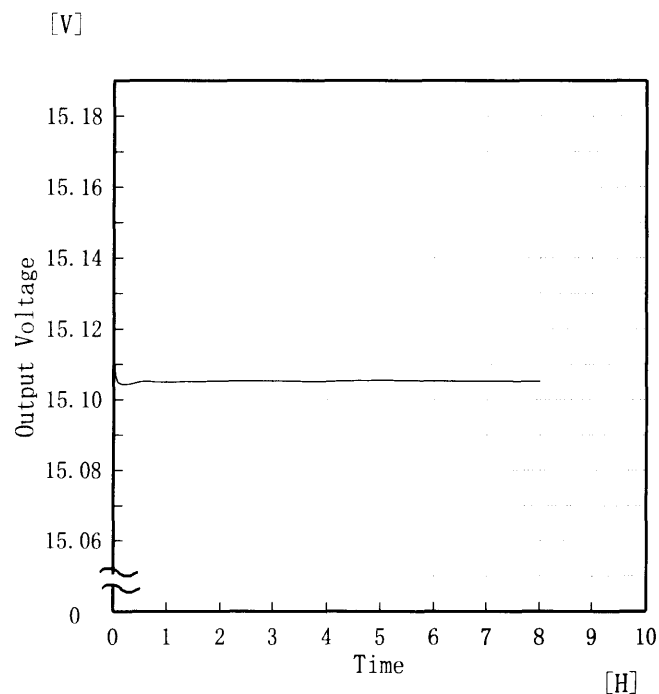
Model LDA30F-15

Item Time Lapse Drift 経時ドリフト

Object +15.0V2A

Temperature 25°C
Testing Circuitry Figure A

1. Graph



Input Volt. 200V

Load 100%

2. Values

Time since start [H]	Output Voltage [V]
0.0	15.118
0.5	15.105
1.0	15.105
2.0	15.105
3.0	15.105
4.0	15.105
5.0	15.106
6.0	15.105
7.0	15.105
8.0	15.105

COSEL

Model		LDA30F-15
Item	Output Voltage Accuracy 定電圧精度	Testing Circuitry Figure A
Object	+15.0V2A	

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 : 0~2 A

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

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

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 : 0~2 A

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

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

Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	-10	264	0	15.146	±26	±0.2
Minimum Voltage	50	264	2	15.094		

COSEL

Model	LDA30F-15	Temperature	25°C
Item	Leakage Current 漏洩電流	Testing Circuitry	Figure B
Object	_____		

1. Results

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

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 230 [V]	Input Volt. 264 [V]
(B) IEC60950	0.34	0.43	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。

COSEL

Model		LDA30F-15	Temperature Testing Circuitry	25°C Figure C
Item		Line Noise Tolerance 入力雑音耐量		
Object		+15.0V2A		

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	LDA30F-15	Temperature	25°C
Item	Conducted Emission 雑音端子電圧	Testing Circuitry	Figure D
Object	_____		

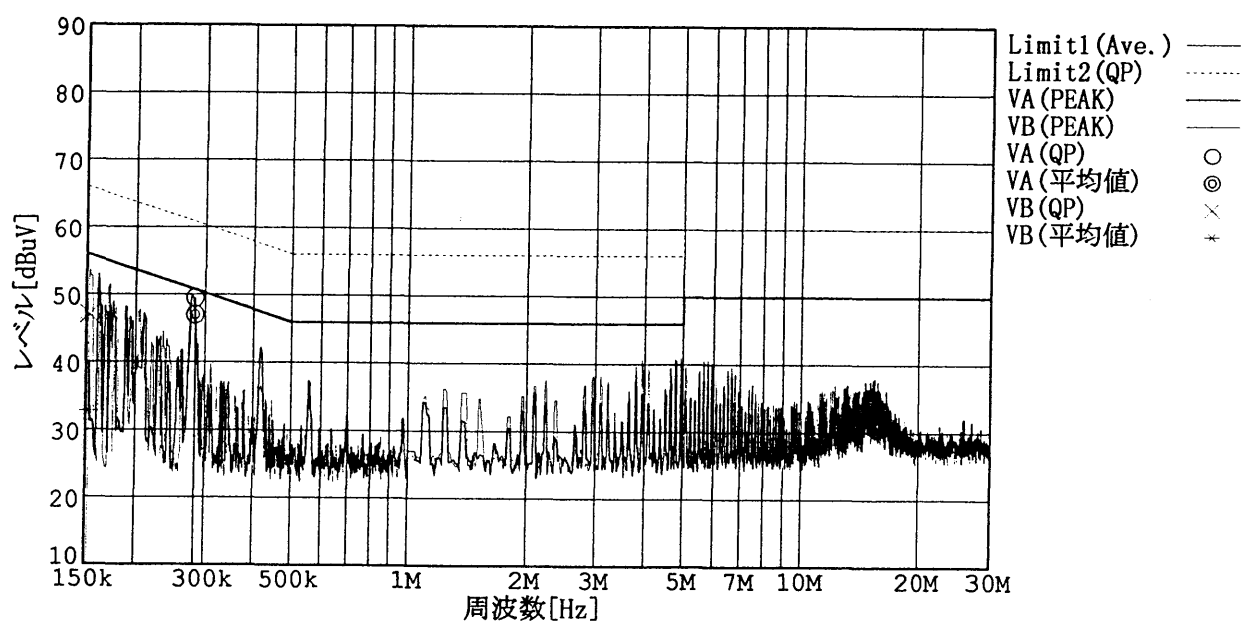
1. Graph

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)



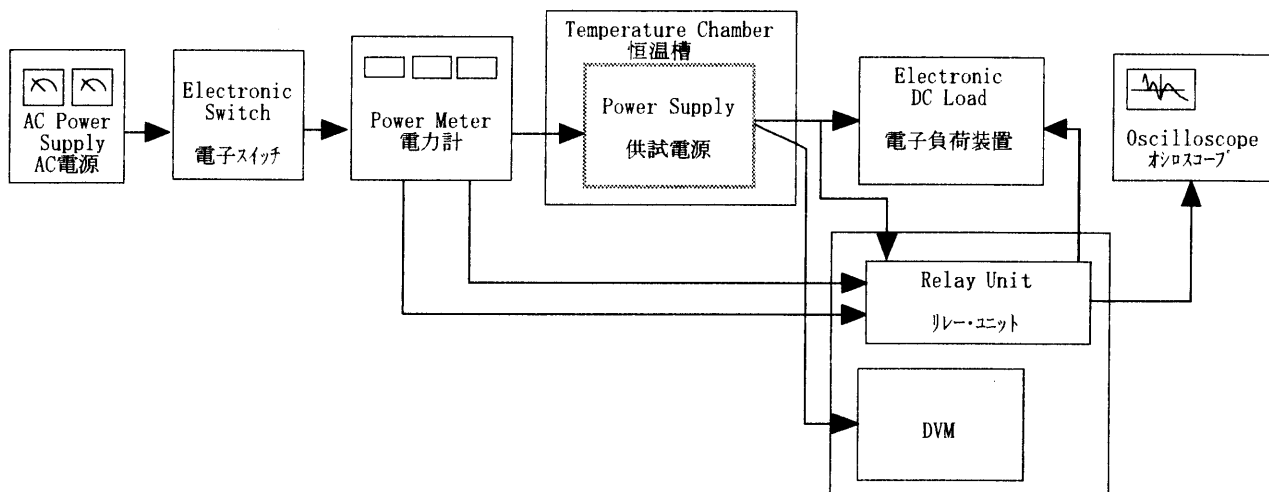


Figure A

Data Acquisition/Control Unit
データ集録システム

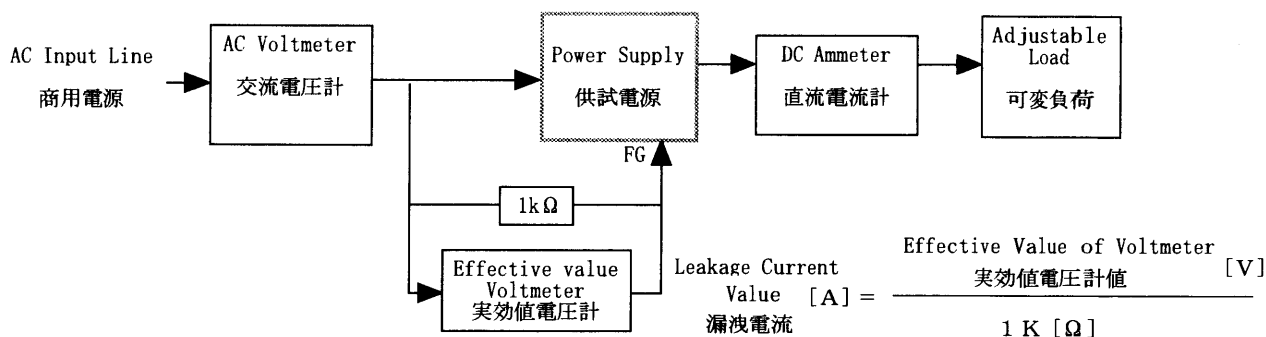


Figure B (DENTORI)

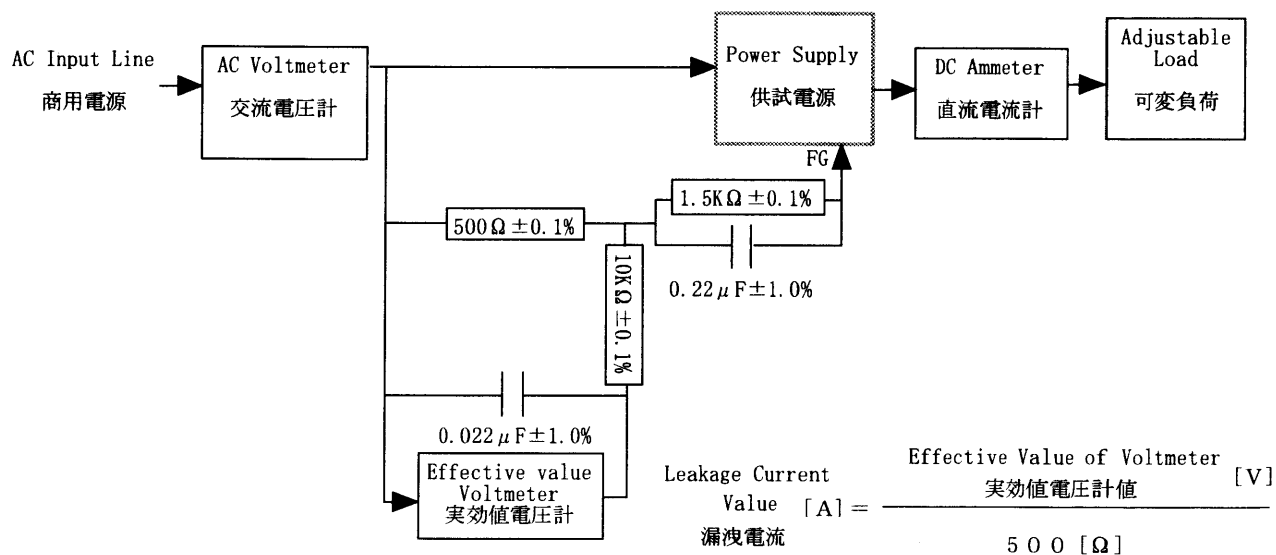


Figure B (IEC 60950)

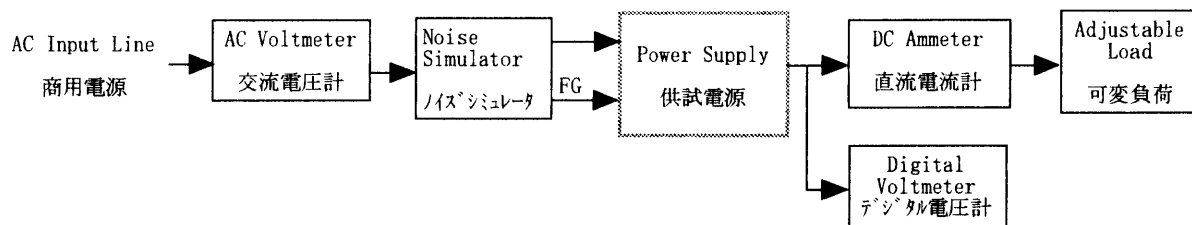


Figure C

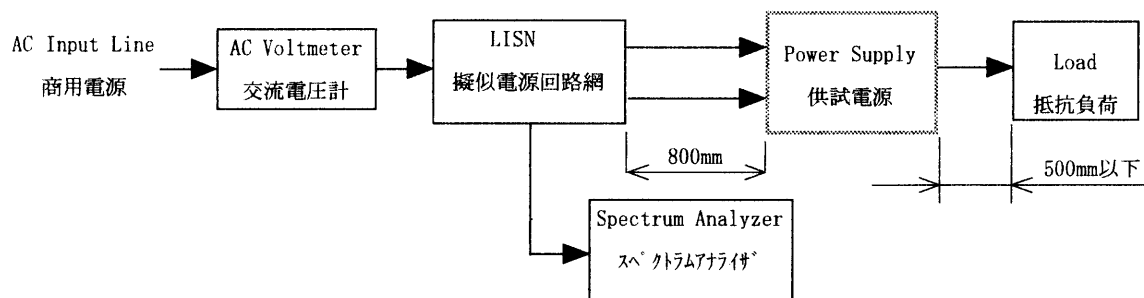


Figure D

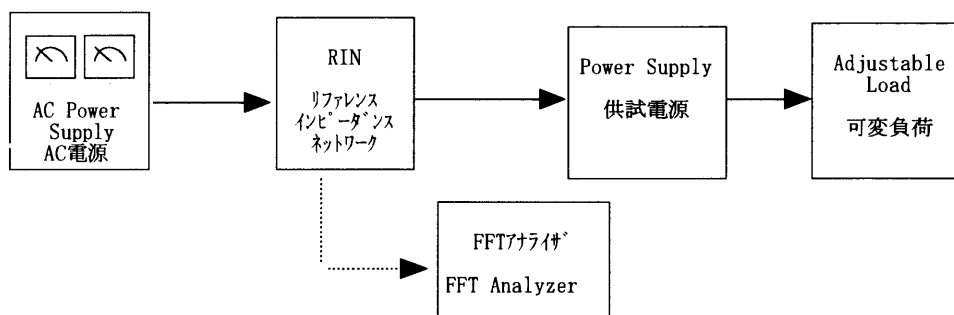


Figure E