



TEST DATA OF LDA10F-15 (100V INPUT)

Regulated DC Power Supply

Date : June 18. 1999

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Design Manager

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Design Engineer

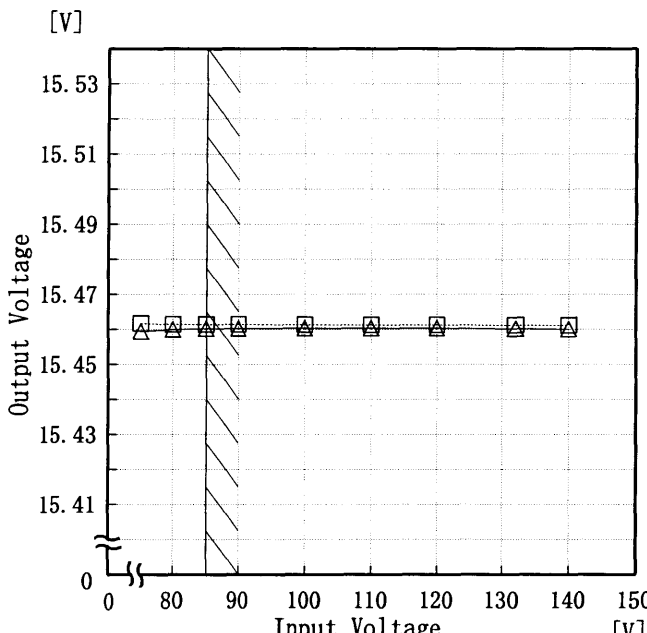
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COSEL CO., LTD.

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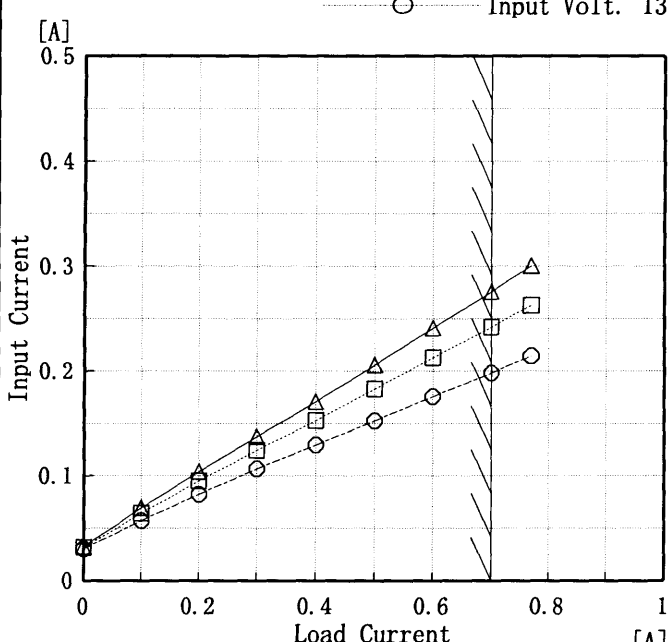
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Model LDA10F-15		Temperature 25°C Testing Circuitry Figure A																																
Item	Line Regulation 静的入力変動																																	
Object	+15.0V0.7A																																	
1. Graph <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 10px;"> □ Load 50% △ Load 100% </div>  <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" style="margin-top: 20px; width: 100%;"> <thead> <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> </thead> <tbody> <tr><td>75</td><td>15.462</td><td>15.460</td></tr> <tr><td>80</td><td>15.461</td><td>15.460</td></tr> <tr><td>85</td><td>15.461</td><td>15.460</td></tr> <tr><td>90</td><td>15.461</td><td>15.460</td></tr> <tr><td>100</td><td>15.461</td><td>15.460</td></tr> <tr><td>110</td><td>15.461</td><td>15.460</td></tr> <tr><td>120</td><td>15.461</td><td>15.460</td></tr> <tr><td>132</td><td>15.461</td><td>15.460</td></tr> <tr><td>140</td><td>15.461</td><td>15.460</td></tr> </tbody> </table>	Input Voltage [V]	Output Voltage [V]		Load 50%	Load 100%	75	15.462	15.460	80	15.461	15.460	85	15.461	15.460	90	15.461	15.460	100	15.461	15.460	110	15.461	15.460	120	15.461	15.460	132	15.461	15.460	140	15.461	15.460
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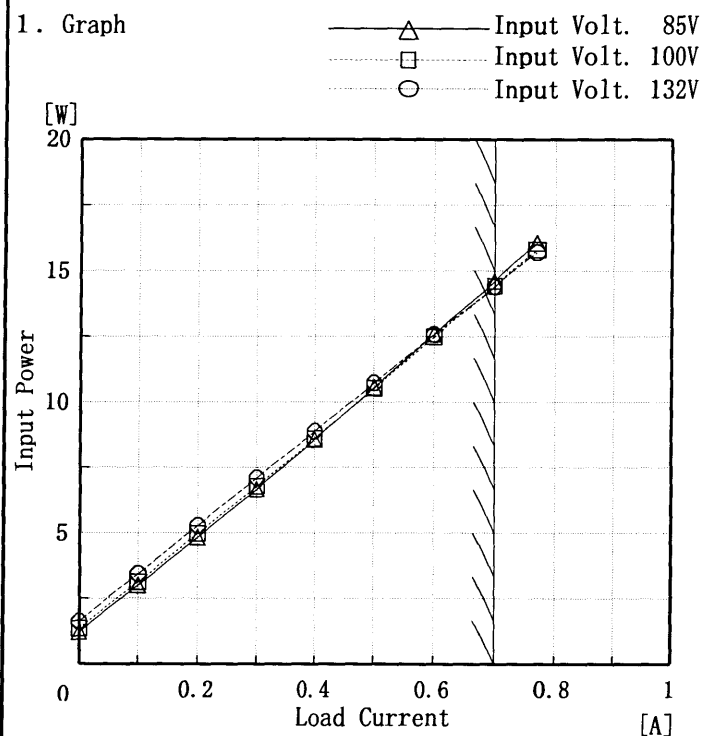
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Model	LDA10F-15
Item	Input Power (by Load Current) 入力電力 (負荷特性)
Output	_____

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 Power [W]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
0.00	1.21	1.34	1.61
0.10	3.00	3.12	3.43
0.20	4.84	4.98	5.28
0.30	6.67	6.78	7.10
0.40	8.56	8.60	8.88
0.50	10.55	10.52	10.72
0.60	12.60	12.49	12.59
0.70	14.61	14.42	14.41
0.77	16.06	15.80	15.71
—	—	—	—
—	—	—	—
—	—	—	—

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Model LDA10F-15		Temperature 25°C Testing Circuitry Figure A																																
Item	Efficiency 効率																																	
Object																																		
<p>1. Graph</p> <p>□ Load 50% △ Load 100%</p> <p>Efficiency [%]</p> <p>Input Voltage [V]</p> <p>Note: Slanted line shows the range of the rated input voltage.</p> <p>(注) 斜線は定格入力電圧範囲を示す。</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th 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>75</td><td>72.1</td><td>73.1</td></tr> <tr><td>80</td><td>72.0</td><td>74.2</td></tr> <tr><td>85</td><td>72.0</td><td>74.9</td></tr> <tr><td>90</td><td>71.9</td><td>75.3</td></tr> <tr><td>100</td><td>71.5</td><td>76.0</td></tr> <tr><td>110</td><td>70.7</td><td>76.2</td></tr> <tr><td>120</td><td>69.7</td><td>76.2</td></tr> <tr><td>132</td><td>68.5</td><td>76.0</td></tr> <tr><td>140</td><td>67.7</td><td>75.7</td></tr> </tbody> </table>	Input Voltage [V]	Efficiency [%]		Load 50%	Load 100%	75	72.1	73.1	80	72.0	74.2	85	72.0	74.9	90	71.9	75.3	100	71.5	76.0	110	70.7	76.2	120	69.7	76.2	132	68.5	76.0	140	67.7	75.7
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Model	LDA10F-15	Temperature	25°C
Item	Efficiency (by Load Current) 効率 (負荷電流特性)	Testing Circuitry	Figure A
Output	—		

1. Graph

△

 Input Volt. 85V

□

 Input Volt. 100V

○

 Input Volt. 132V

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. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
0.10	54.2	52.4	47.9
0.20	65.5	63.6	60.3
0.30	70.6	69.6	66.6
0.40	73.0	72.9	70.6
0.50	74.3	74.5	73.2
0.60	74.7	75.4	74.8
0.70	74.8	75.9	75.9
0.77	74.8	76.0	76.5
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

COSEL

Model LDA10F-15		Temperature 25°C Testing Circuitry Figure A																																
Item	Hold-Up Time 出力保持時間																																	
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Input Voltage [V]	Hold-Up Time [mS]																																	
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<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>																																		

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Model		LDA10F-15		Temperature		25℃	
Item		Instantaneous Interruption Compensation 瞬時停電保障		Testing Circuitry		Figure A	
Object		+15.0V0.7A					
1. Graph				2. Values			

—△—

Input Volt. 85 V

- - -□- - -

Input Volt. 100 V

- - -○- - -

Input Volt. 132 V

[mS]

Instantaneous Compensation Time

1000

100

10

1

0

0.2

0.4

0.6

0.8

1

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。

Load Current [A]	Time [mS]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.00	—	—	—
0.10	122	171	280
0.20	63	90	161
0.30	43	63	115
0.40	30	46	87
0.50	22	35	69
0.60	14	27	56
0.70	11	21	46
0.77	6	14	40
—	—	—	—
—	—	—	—

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Model		LDA10F-15		Temperature		25℃																																																
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Model		LDA10F-15	
Item		Ripple Voltage (by Load Current) リップル電圧 (負荷電流特性)	
Object		+15.0V0.7A	

1. Graph

□----- Input Volt. 85V

—△— Input Volt. 132V

150

125

100

75

50

25

0

Ripple Voltage [mV]

0

0.2

0.4

0.6

0.8

1

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

Ripple [mVp-p]

T1

T2

Fig. Complex Ripple Wave Form

図 リップル波形詳細図

2. Values

Load Current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
0.00	10	10
0.10	10	10
0.20	10	10
0.30	10	10
0.40	15	15
0.50	15	15
0.60	30	15
0.77	30	15
—	—	—
—	—	—
—	—	—

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Model		LDA10F-15	
Item		Ripple-Noise リップルノイズ	
Object		+15.0V0.7A	

1. Graph

□ Input Volt. 85V

—△— Input Volt. 132V

[mV]

200

180

160

140

120

100

80

60

40

20

0

Ripple-Noise

0

0.2

0.4

0.6

0.8

1

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

Load current	Input Volt.	Input Volt.
	85 [V]	132 [V]
[A]	Ripple-Noise	Ripple-Noise
	[mV]	[mV]
0.00	10	10
0.10	15	15
0.20	15	15
0.30	20	15
0.40	25	15
0.50	25	25
0.60	30	25
0.70	40	30
0.77	40	30
—	—	—
—	—	—

Load current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple-Noise [mV]	Ripple-Noise [mV]
0.00	10	10
0.10	15	15
0.20	15	15
0.30	20	15
0.40	25	15
0.50	25	25
0.60	30	25
0.70	40	30
0.77	40	30
—	—	—
—	—	—

COSEL

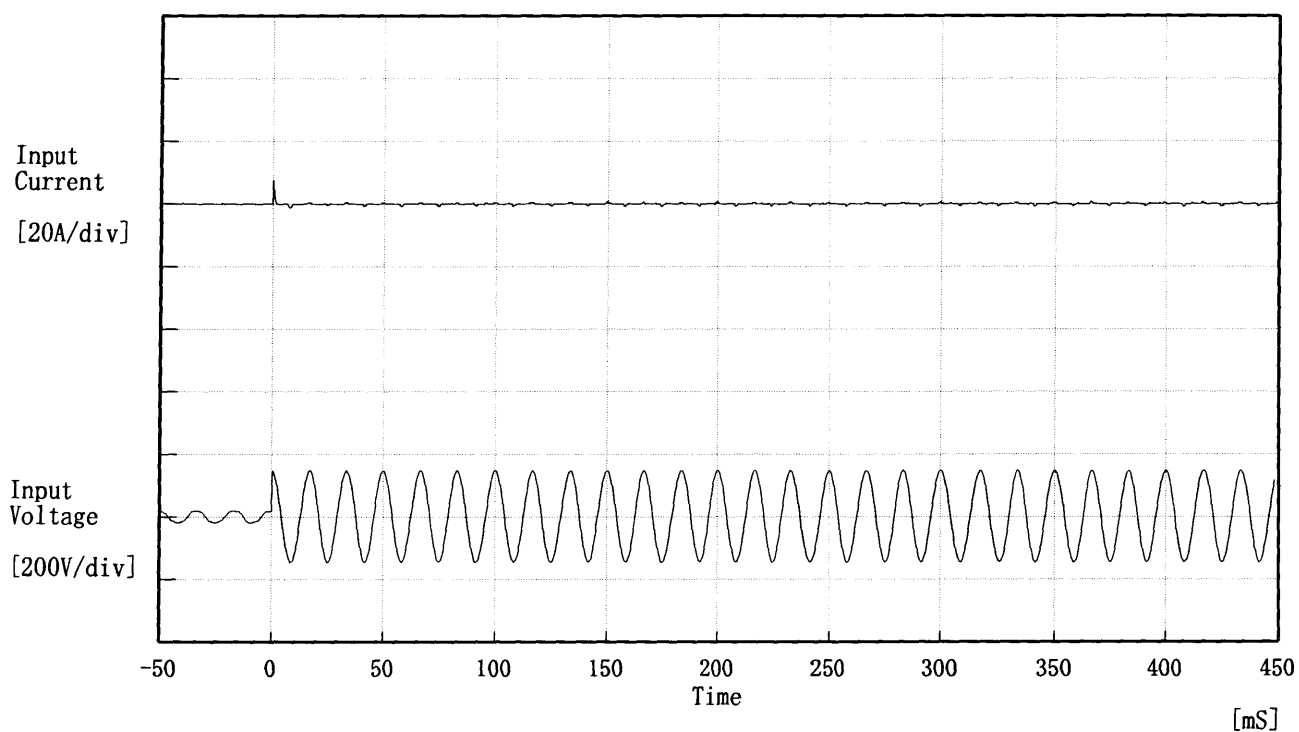
Model		LDA10F-15	Temperature25℃																																																								
Item		Overcurrent Protection 過電流保護	Testing CircuitryFigure A																																																								
Object		+15.0V0.7A																																																									
1. Graph		2. Values																																																									
<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>[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>Output Voltage</div><div></div></div></div> <div><div>0</div><div>0.5</div><div>1</div><div>1.5</div><div>2</div></div> <div><div></div><div>Load Current</div><div>[A]</div></div>		<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>0.96</td><td>1.01</td><td>1.04</td></tr><tr><td>14.25</td><td>1.00</td><td>1.05</td><td>1.07</td></tr><tr><td>13.50</td><td>1.03</td><td>1.08</td><td>1.10</td></tr><tr><td>12.00</td><td>1.11</td><td>1.15</td><td>1.16</td></tr><tr><td>10.50</td><td>1.20</td><td>1.23</td><td>1.22</td></tr><tr><td>9.00</td><td>1.29</td><td>1.31</td><td>1.27</td></tr><tr><td>7.50</td><td>1.38</td><td>1.38</td><td>1.32</td></tr><tr><td>6.00</td><td>1.47</td><td>1.44</td><td>1.35</td></tr><tr><td>4.50</td><td>1.54</td><td>1.48</td><td>1.36</td></tr><tr><td>3.00</td><td>1.55</td><td>1.46</td><td>1.31</td></tr><tr><td>1.50</td><td>1.43</td><td>1.32</td><td>1.17</td></tr><tr><td>0.00</td><td>1.09</td><td>0.99</td><td>0.91</td></tr></table>			Output Voltage [V]	Load Current [A]			Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	15.00	0.96	1.01	1.04	14.25	1.00	1.05	1.07	13.50	1.03	1.08	1.10	12.00	1.11	1.15	1.16	10.50	1.20	1.23	1.22	9.00	1.29	1.31	1.27	7.50	1.38	1.38	1.32	6.00	1.47	1.44	1.35	4.50	1.54	1.48	1.36	3.00	1.55	1.46	1.31	1.50	1.43	1.32	1.17	0.00	1.09	0.99	0.91
Output Voltage [V]	Load Current [A]																																																										
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<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>																																																											

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	LDA10F-15	Temperature	25°C
Item	Inrush Current 突入電流	Testing Circuitry	Figure A
Object	_____		



Input Voltage 100 V

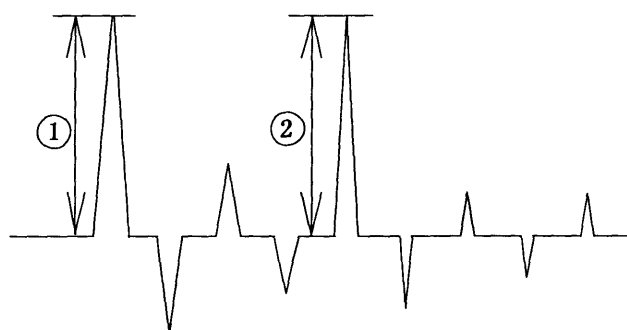
Frequency 60 Hz

Load 100 %

Inrush Current

① 7.61 [A]

② 0.81 [A]



COSEL

Model	LDA10F-15	Temperature 25℃ Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+15.0V0.7A	

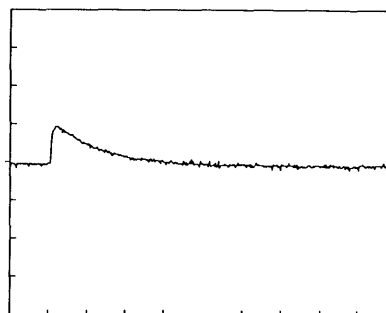
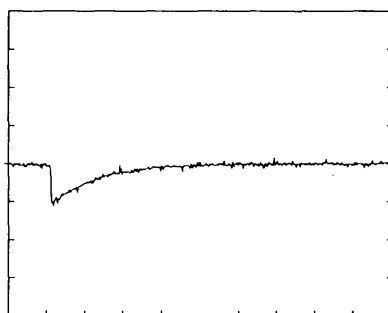
Input Volt. 100 V

Cycle 1000 mS

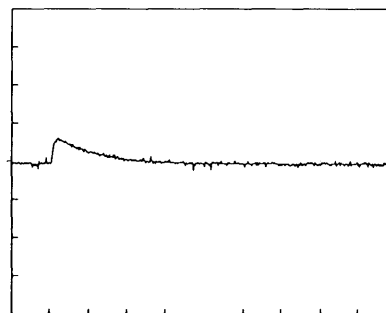
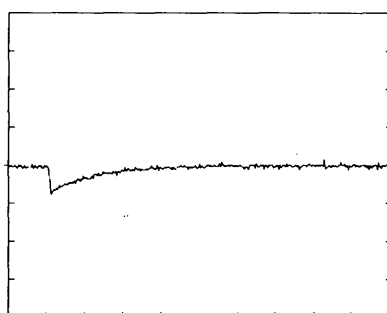
Load Current

Load 0% \longleftrightarrow

Load 100 %

Load 0% \longleftrightarrow

Load 50 %



200 mV/div

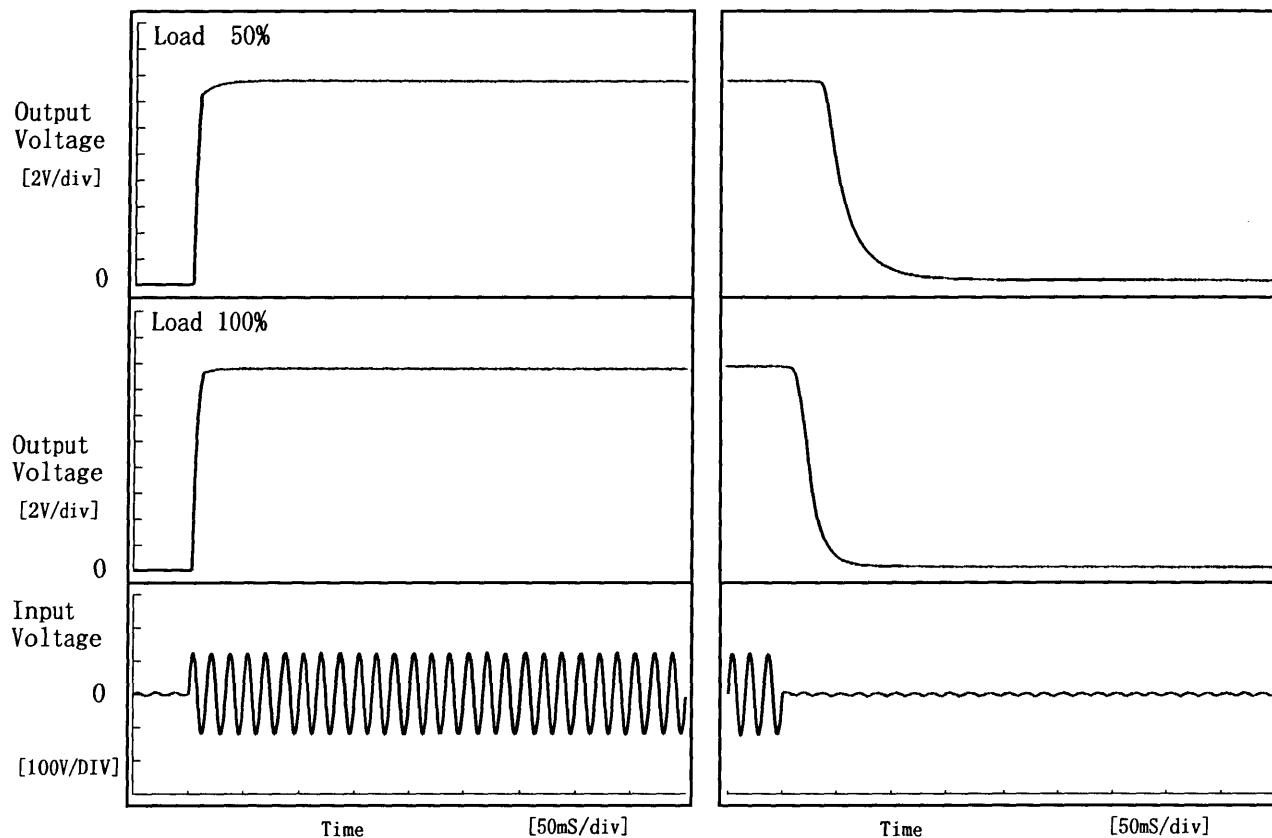
10 mS/div

COSEL

Model	LDA10F-15	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+15.0V0.7A		

1. Graph

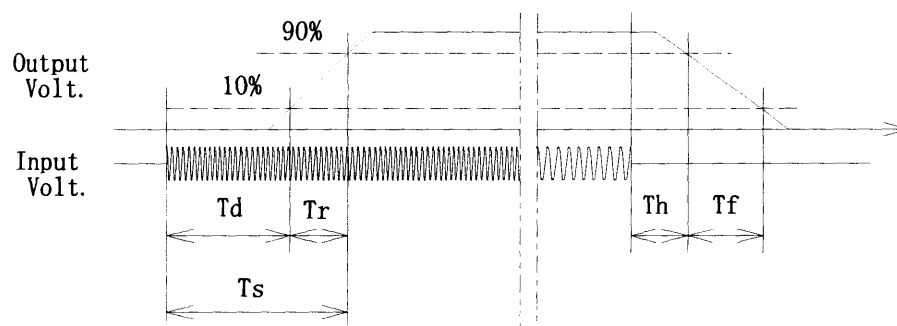
Input Volt. 85 V



2. Values

[mS]

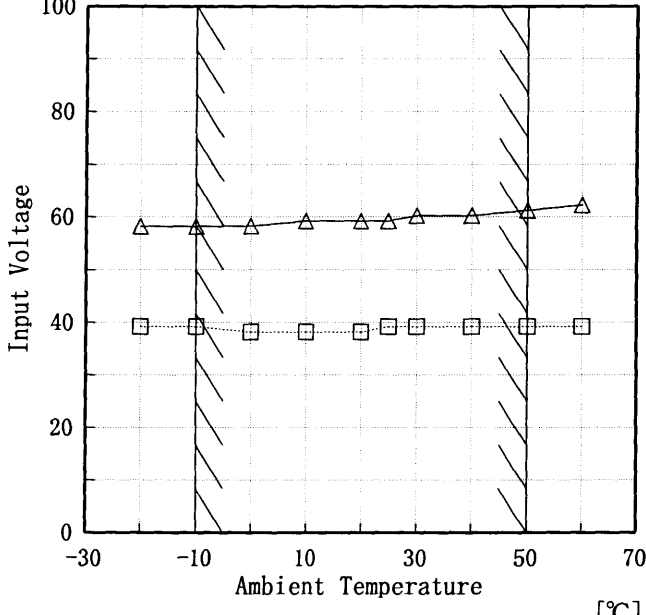
Load \ Time	T d	T r	T s	T h	T f
50 %	3.3	5.3	8.5	41.5	51.3
100 %	3.3	6.8	10.0	17.8	28.8



COSEL

Model		LDA10F-15		Testing Circuitry Figure A
Item		Ambient Temperature Drift 周囲温度変動		
Object		+15.0V0.7A		
1. Graph				
		<div><div>△</div>Input Volt. 85V</div> <div><div>□</div>Input Volt. 100V</div> <div><div>○</div>Input Volt. 132V</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><div>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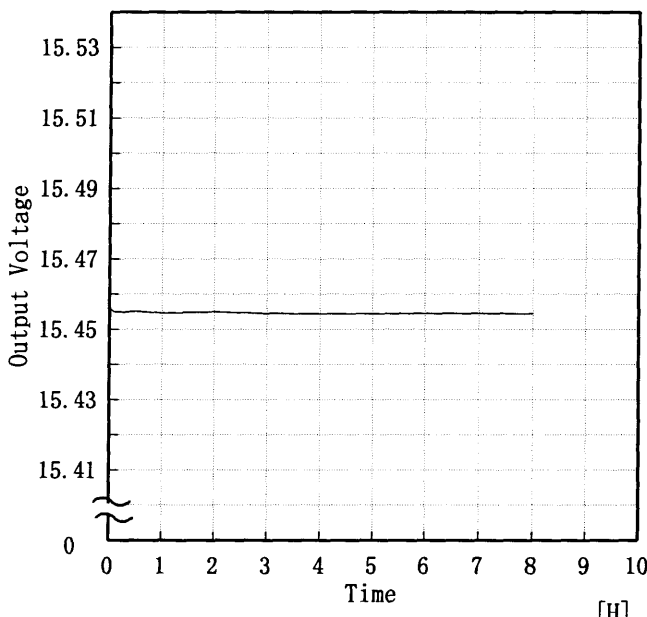
COSEL

Model LDA10F-15		Testing Circuitry Figure A																																						
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧																																							
Object	+15.0V0.7A																																							
<p>1. Graph</p> <p>Input Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 50% (□)</p> <p>Load 100% (△)</p>  <p>Note: Slanted line shows the range of the rated ambient temperature.</p> <p>(注) 斜線は定格周囲温度範囲を示す。</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Input Voltage [V]</th></tr> <tr> <th>Load 50%</th><th>Load 100%</th></tr> </thead> <tbody> <tr><td>-20</td><td>39</td><td>58</td></tr> <tr><td>-10</td><td>39</td><td>58</td></tr> <tr><td>0</td><td>38</td><td>58</td></tr> <tr><td>10</td><td>38</td><td>59</td></tr> <tr><td>20</td><td>38</td><td>59</td></tr> <tr><td>25</td><td>39</td><td>59</td></tr> <tr><td>30</td><td>39</td><td>60</td></tr> <tr><td>40</td><td>39</td><td>60</td></tr> <tr><td>50</td><td>39</td><td>61</td></tr> <tr><td>60</td><td>39</td><td>62</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>	Ambient Temperature [°C]	Input Voltage [V]		Load 50%	Load 100%	-20	39	58	-10	39	58	0	38	58	10	38	59	20	38	59	25	39	59	30	39	60	40	39	60	50	39	61	60	39	62	—	—	—
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—	—	—																																						

COSEL

Model LDA10F-15		Testing Circuitry Figure A																																				
Item	Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)																																					
Object	+15.0V 0.7A																																					
1. Graph <div style="float: right;"> □ Load 50% —△— Load 100% </div> <div style="clear: both;"></div> <p style="text-align: center;">Input Volt. 100 V</p> <p>Note: Slanted line shows the range of the rated ambient temperature.</p> <p>(注) 斜線は定格周囲温度範囲を示す。</p>		2. Values <table border="1"> <thead> <tr> <th>Ambient Temp. [°C]</th><th>Load 50% Ripple Output Volt. [mV]</th><th>Load 100% Ripple Output Volt. [mV]</th></tr> </thead> <tbody> <tr><td>-20</td><td>30</td><td>100</td></tr> <tr><td>-10</td><td>20</td><td>50</td></tr> <tr><td>0</td><td>15</td><td>30</td></tr> <tr><td>10</td><td>15</td><td>25</td></tr> <tr><td>20</td><td>10</td><td>20</td></tr> <tr><td>25</td><td>10</td><td>15</td></tr> <tr><td>30</td><td>10</td><td>15</td></tr> <tr><td>40</td><td>10</td><td>15</td></tr> <tr><td>50</td><td>10</td><td>15</td></tr> <tr><td>60</td><td>10</td><td>15</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>	Ambient Temp. [°C]	Load 50% Ripple Output Volt. [mV]	Load 100% Ripple Output Volt. [mV]	-20	30	100	-10	20	50	0	15	30	10	15	25	20	10	20	25	10	15	30	10	15	40	10	15	50	10	15	60	10	15	—	—	—
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COSEL

COSEL																									
Model	LDA10F-15																								
Item	Time Lapse Drift 経時ドリフト	Temperature	25℃																						
Object	+15.0V0.7A	Testing Circuitry	Figure A																						
1. Graph		2.Values																							
<div>[V]</div> <div></div> <div>Output Voltage</div> <div>Time</div> <div>[H]</div> <div>Input Volt. 100V</div> <div>Load 100%</div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>15.460</td></tr><tr><td>0.5</td><td>15.455</td></tr><tr><td>1.0</td><td>15.455</td></tr><tr><td>2.0</td><td>15.455</td></tr><tr><td>3.0</td><td>15.454</td></tr><tr><td>4.0</td><td>15.454</td></tr><tr><td>5.0</td><td>15.454</td></tr><tr><td>6.0</td><td>15.455</td></tr><tr><td>7.0</td><td>15.454</td></tr><tr><td>8.0</td><td>15.454</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	15.460	0.5	15.455	1.0	15.455	2.0	15.455	3.0	15.454	4.0	15.454	5.0	15.454	6.0	15.455	7.0	15.454	8.0	15.454
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COSEL

Model	LDA10F-15	Testing Circuitry Figure A
Item	Output Voltage Accuracy 定電圧精度	
Object	+15.0V0.7A	

Output Voltage Accuracy

This is defined as the value of the output voltage, regulation load, ambient temperature and input voltage varied at random in the range as specified below.

Temperature -10~50 °C

Input Voltage : 85~132 V

Load Current : 0~0.7 A

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

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

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 85~132 V

負荷電流 0~0.7 A

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

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

Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy(Ration) [%]
Maximum Voltage	25	132	0.0	15.464	±7	±0.1
Minimum Voltage	-10	85	0.7	15.452		

COSEL

Model		LDA10F-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	0.11	0.14	0.17
(B) IEC60950	0.12	0.14	0.18

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

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	LDA10F-15	Temperature 25℃ Testing Circuitry Figure C
Item	Line Noise Tolerance 入力雑音耐量	
Object	+15.0V0.7A	

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

COSEL

Model	LDA10F-15	Temperature	25°C
Item	Conducted Emission 雑音端子電圧	Testing Circuitry	Figure D
Object			

1. Graph

Remarks

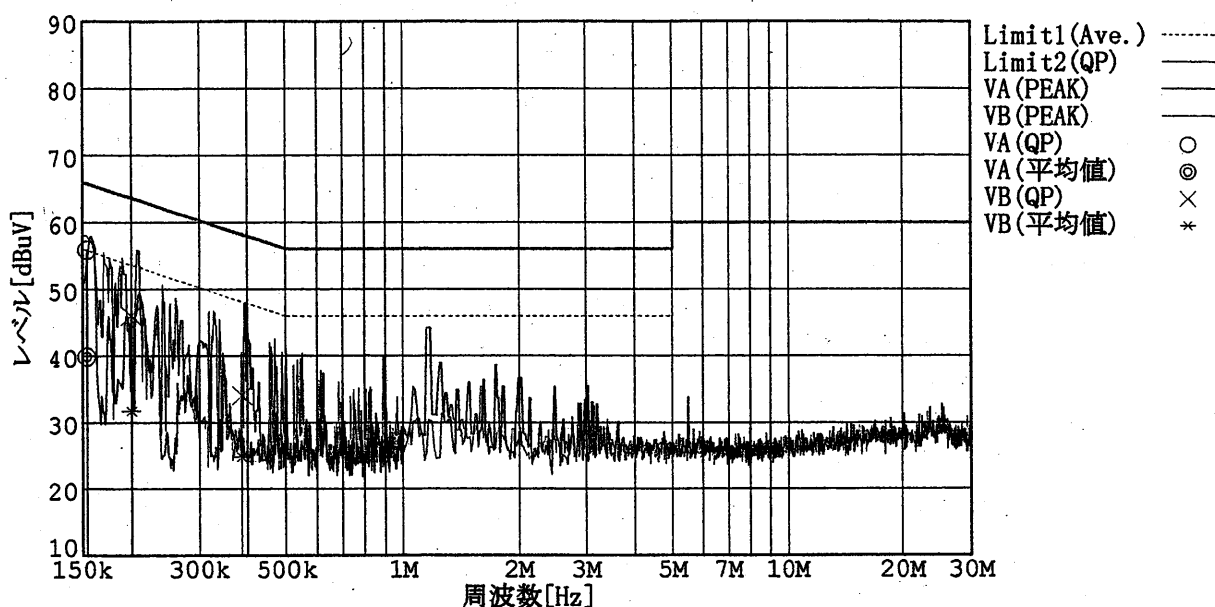
Input Volt. 100 V (VCCI Class B)

120 V (FCC Class B)

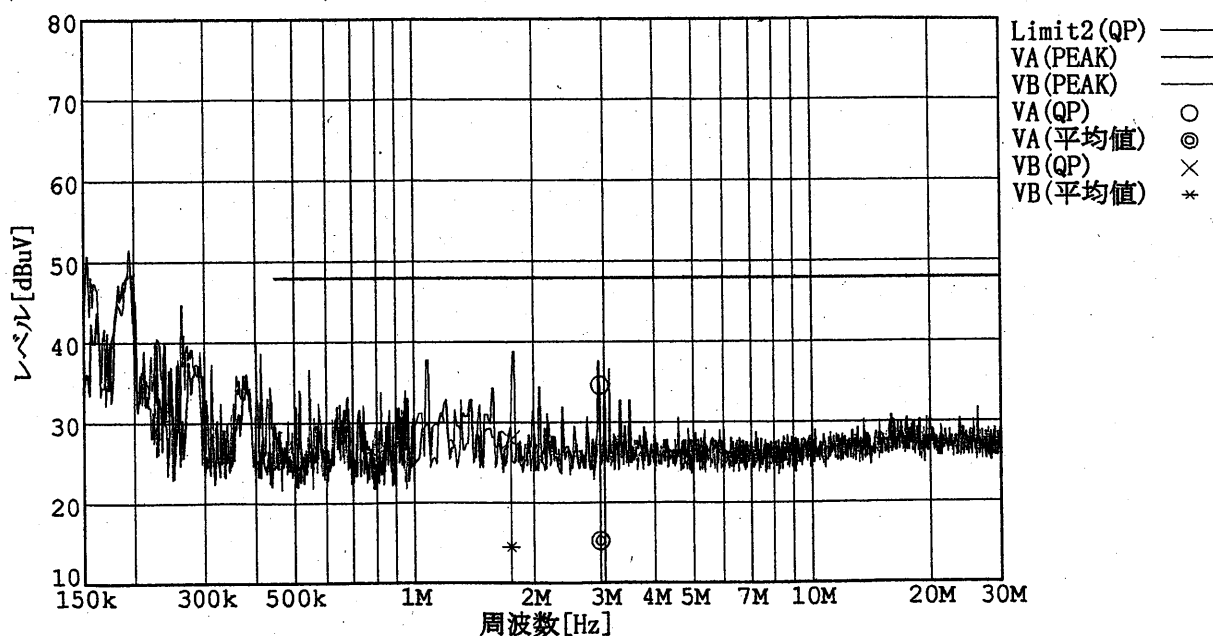
Load 100 %

規格 1: [VCCI] Class B(平均値)

規格 2: [VCCI] Class B(QP)



規格 2: [FCC Part15] Class B



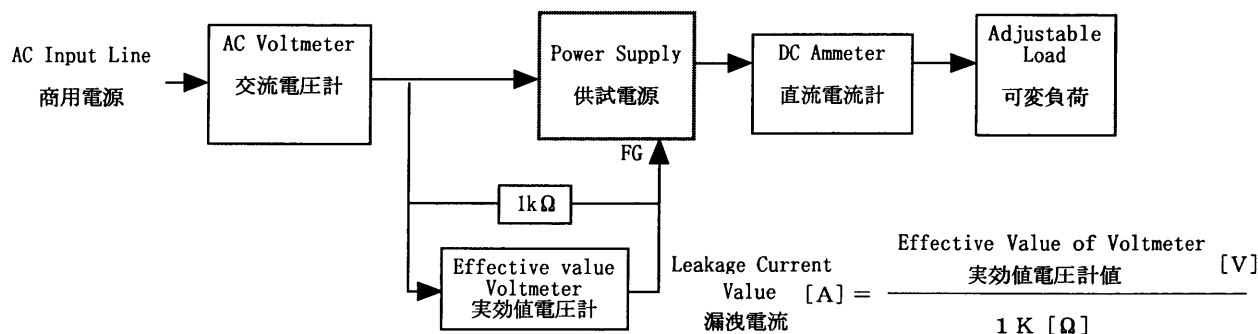
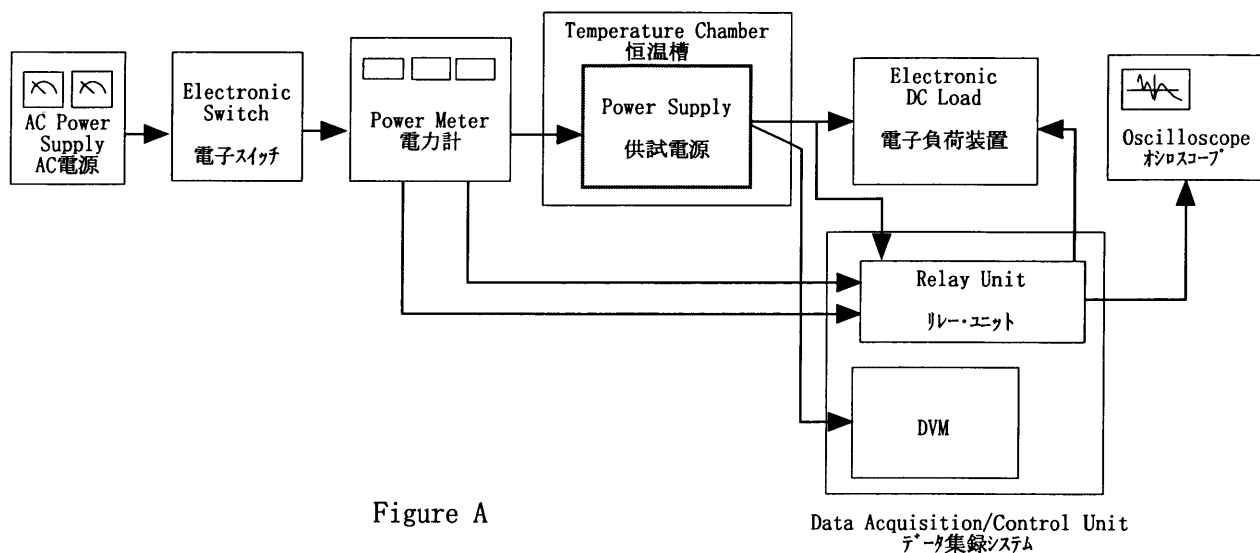


Figure B (DENTORI)

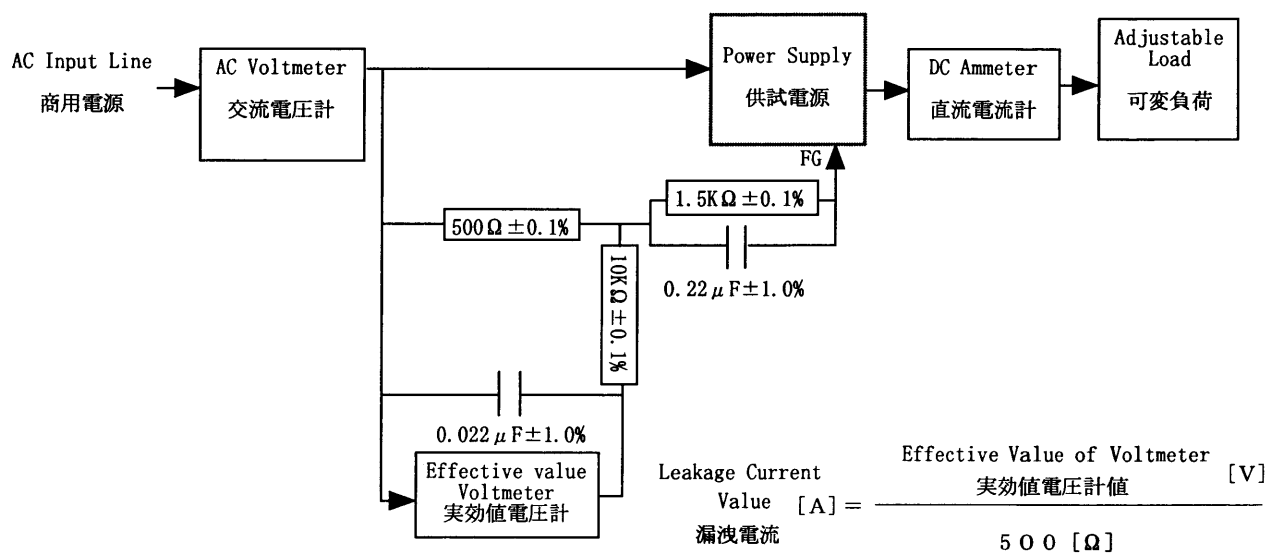


Figure B (IEC 60950)

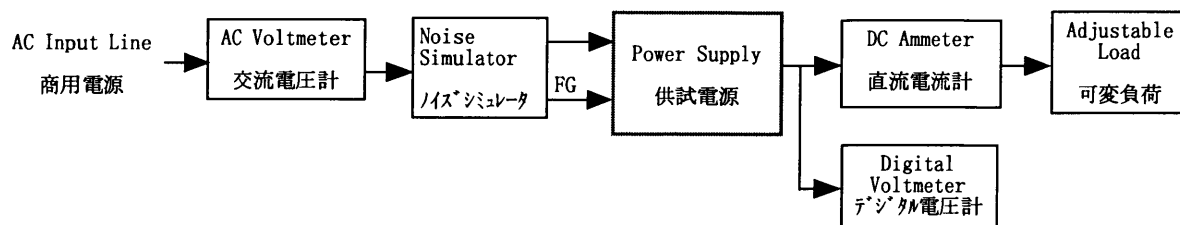


Figure C

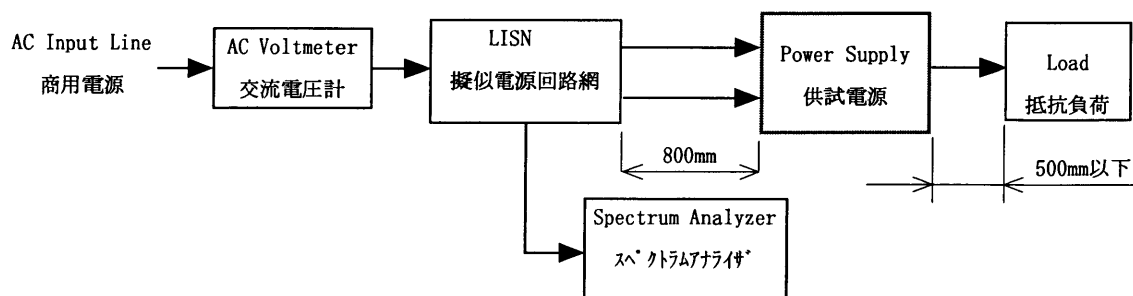


Figure D

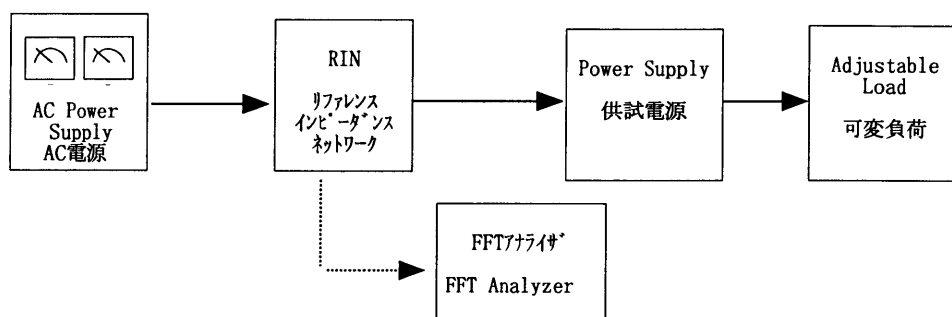


Figure E