



# TEST DATA OF LEA75F-15 (100V INPUT)

Regulated DC Power Supply

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**コーセル株式会社**  
**COSEL CO., LTD.**



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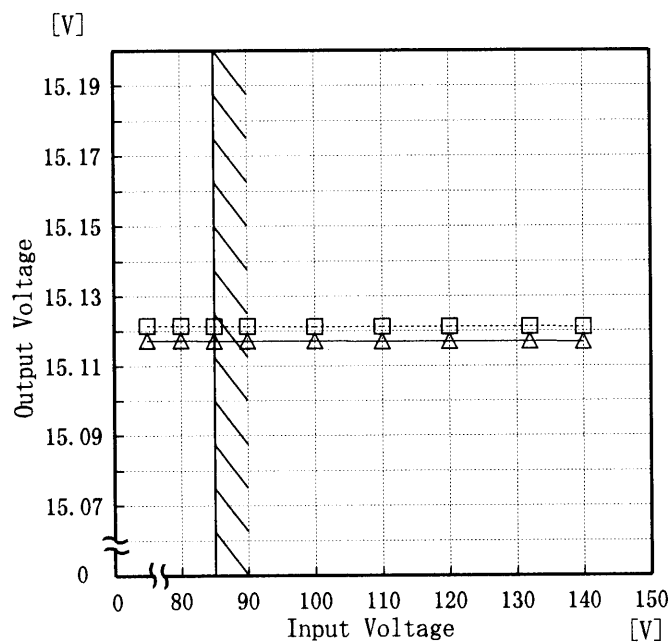


**COSEL**

Model LEA75F-15

Item Line Regulation 静的入力変動

Object +15V5A

Temperature 25°C  
Testing Circuitry Figure A1. Graph  
-----□----- Load 50%  
-----△----- Load 100%

(注)斜線は定格入力電圧範囲を示す。

2. Values

Input Voltage [V]	Load 50%	Load 100%
	Output Volt. [V]	Output Volt. [V]
75	15.122	15.117
80	15.122	15.117
85	15.121	15.117
90	15.121	15.117
100	15.121	15.117
110	15.121	15.117
120	15.121	15.117
132	15.121	15.117
140	15.121	15.117



BC-3180



# COSEL

Model		LEA75F-15	
Item		Input Power (by Load Current) 入力電力 (負荷特性)	
Output			

1. Graph

—△—

Input Volt. 85V

---□---

Input Volt. 100V

---○---

Input Volt. 132V

[W]

200

150

100

50

0

0

2

4

6

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]	Input Power [W]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.0	5.29	5.31	5.40
0.8	20.79	20.68	20.60
1.6	34.84	34.62	34.32
2.4	48.63	48.36	47.90
3.2	62.70	62.36	61.90
4.0	77.20	76.80	76.10
4.8	92.00	91.20	90.20
5.0	95.60	94.70	93.60
5.5	105.00	104.00	102.80
—	—	—	—
—	—	—	—
—	—	—	—



# COSEL

Model		LEA75F-15		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><div>Load 50%</div></div> <div><div>-----△-----</div><div>Load 100%</div></div> <div><div>Efficiency [%]</div><div><div>86</div><div>82</div><div>78</div><div>74</div><div>70</div><div>66</div><div>62</div><div>0</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>Input Voltage [V]</div></div> <div></div>				<table><tr><th>Input Voltage [V]</th><th>Load 50% Efficiency [%]</th><th>Load 100% Efficiency [%]</th></tr><tr><td>75</td><td>74.6</td><td>77.9</td></tr><tr><td>80</td><td>74.7</td><td>78.6</td></tr><tr><td>85</td><td>74.8</td><td>79.2</td></tr><tr><td>90</td><td>75.1</td><td>79.5</td></tr><tr><td>100</td><td>75.3</td><td>80.0</td></tr><tr><td>110</td><td>75.4</td><td>80.3</td></tr><tr><td>120</td><td>75.8</td><td>80.6</td></tr><tr><td>132</td><td>76.0</td><td>80.9</td></tr><tr><td>140</td><td>76.0</td><td>81.0</td></tr></table>				Input Voltage [V]	Load 50% Efficiency [%]	Load 100% Efficiency [%]	75	74.6	77.9	80	74.7	78.6	85	74.8	79.2	90	75.1	79.5	100	75.3	80.0	110	75.4	80.3	120	75.8	80.6	132	76.0	80.9	140	76.0	81.0
Input Voltage [V]	Load 50% Efficiency [%]	Load 100% Efficiency [%]																																			
75	74.6	77.9																																			
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85	74.8	79.2																																			
90	75.1	79.5																																			
100	75.3	80.0																																			
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140	76.0	81.0																																			
<div>Note: Slanted line shows the range of the rated input voltage.</div> <div>(注)斜線は定格入力電圧範囲を示す。</div>																																					



# COSEL

Model		LEA75F-15		Temperature		25℃	
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]
0.8	58.7	59.2	59.3
1.6	69.8	70.3	70.9
2.4	74.8	75.2	75.9
3.2	77.3	77.7	78.3
4.0	78.6	79.0	79.7
4.8	79.1	79.8	80.7
5.0	79.2	80.0	80.9
5.5	79.3	80.1	81.0
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—



# COSEL

Model		LEA75F-15	Temperature25℃ Testing CircuitryFigure A																														
Item		Power Factor (by Input Voltage) 力率 (入力電圧特性)																															
Object			2. Values																														
1. Graph		<div><div>□load 50%</div><div>△load 100%</div></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>																															
			<table><tr><th>Input Voltage [V]</th><th>load 50% Power Factor</th><th>load 100% Power Factor</th></tr><tr><td>75</td><td>0.98</td><td>0.99</td></tr><tr><td>80</td><td>0.98</td><td>0.99</td></tr><tr><td>85</td><td>0.98</td><td>0.99</td></tr><tr><td>90</td><td>0.98</td><td>0.99</td></tr><tr><td>100</td><td>0.97</td><td>0.99</td></tr><tr><td>110</td><td>0.97</td><td>0.99</td></tr><tr><td>120</td><td>0.96</td><td>0.98</td></tr><tr><td>132</td><td>0.95</td><td>0.98</td></tr><tr><td>140</td><td>0.95</td><td>0.98</td></tr></table>	Input Voltage [V]	load 50% Power Factor	load 100% Power Factor	75	0.98	0.99	80	0.98	0.99	85	0.98	0.99	90	0.98	0.99	100	0.97	0.99	110	0.97	0.99	120	0.96	0.98	132	0.95	0.98	140	0.95	0.98
Input Voltage [V]	load 50% Power Factor	load 100% Power Factor																															
75	0.98	0.99																															
80	0.98	0.99																															
85	0.98	0.99																															
90	0.98	0.99																															
100	0.97	0.99																															
110	0.97	0.99																															
120	0.96	0.98																															
132	0.95	0.98																															
140	0.95	0.98																															



# COSEL

Model	LEA75F-15	Temperature	25°C
Item	Power Factor (by Load Current) 力率 (負荷電流特性)	Testing Circuitry	Figure A
Output	_____		

1. Graph

—△— Input Volt. 85V

---□--- Input Volt. 100V

---○--- Input Volt. 132V

2. Values

Load Current [A]	Power Factor		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.0	0.81	0.78	0.69
0.8	0.94	0.92	0.88
1.6	0.96	0.96	0.93
2.4	0.98	0.97	0.95
3.2	0.98	0.98	0.96
4.0	0.99	0.99	0.97
4.8	0.99	0.99	0.98
5.0	0.99	0.99	0.98
5.5	0.99	0.99	0.98
—	—	—	—
—	—	—	—
—	—	—	—

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		LEA75F-15		Temperature		25℃																																	
Item		Hold-Up Time 出力保持時間		Testing Circuitry		Figure A																																	
Object		+15V5A																																					
1. Graph				2. Values																																			
<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>1000</div><div>100</div><div>10</div><div>1</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>Input Voltage [V]</div></div>				<table><tr><th rowspan="2">Input Voltage [V]</th><th>Load 50%</th><th>Load 100%</th></tr><tr><th>Hold-Up Time [mS]</th><th>Hold-Up Time [mS]</th></tr><tr><td>75</td><td>—</td><td>—</td></tr><tr><td>80</td><td>76</td><td>33</td></tr><tr><td>85</td><td>78</td><td>35</td></tr><tr><td>90</td><td>80</td><td>36</td></tr><tr><td>100</td><td>82</td><td>39</td></tr><tr><td>110</td><td>84</td><td>40</td></tr><tr><td>120</td><td>86</td><td>42</td></tr><tr><td>132</td><td>87</td><td>43</td></tr><tr><td>140</td><td>88</td><td>43</td></tr></table>				Input Voltage [V]	Load 50%	Load 100%	Hold-Up Time [mS]	Hold-Up Time [mS]	75	—	—	80	76	33	85	78	35	90	80	36	100	82	39	110	84	40	120	86	42	132	87	43	140	88	43
Input Voltage [V]	Load 50%	Load 100%																																					
	Hold-Up Time [mS]	Hold-Up Time [mS]																																					
75	—	—																																					
80	76	33																																					
85	78	35																																					
90	80	36																																					
100	82	39																																					
110	84	40																																					
120	86	42																																					
132	87	43																																					
140	88	43																																					
<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		LEA75F-15		Temperature		25℃																																																				
Item		Instantaneous Interruption Compensation 瞬時停電保障		Testing Circuitry		Figure A																																																				
Object		+15V5A																																																								
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>[mS]</div><div>1000</div><div>100</div><div>10</div><div>1</div><div>Instantaneous Compensation Time</div></div><div><div>0</div><div>2</div><div>4</div><div>6</div><div>Load Current</div><div>[A]</div></div></div> <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 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></div>				<table><tr><th rowspan="2">Load Current [A]</th><th>Input Volt. 85[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 132[V]</th></tr><tr><th colspan="3">Time [mS]</th></tr><tr><td>0.0</td><td>—</td><td>—</td><td>—</td></tr><tr><td>0.8</td><td>221</td><td>231</td><td>243</td></tr><tr><td>1.6</td><td>115</td><td>122</td><td>131</td></tr><tr><td>2.4</td><td>74</td><td>80</td><td>87</td></tr><tr><td>3.2</td><td>49</td><td>55</td><td>63</td></tr><tr><td>4.0</td><td>38</td><td>42</td><td>48</td></tr><tr><td>4.8</td><td>33</td><td>38</td><td>40</td></tr><tr><td>5.0</td><td>32</td><td>36</td><td>39</td></tr><tr><td>5.5</td><td>30</td><td>32</td><td>38</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 Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]	Time [mS]			0.0	—	—	—	0.8	221	231	243	1.6	115	122	131	2.4	74	80	87	3.2	49	55	63	4.0	38	42	48	4.8	33	38	40	5.0	32	36	39	5.5	30	32	38	—	—	—	—	—	—	—	—
Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
	Time [mS]																																																									
0.0	—	—	—																																																							
0.8	221	231	243																																																							
1.6	115	122	131																																																							
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3.2	49	55	63																																																							
4.0	38	42	48																																																							
4.8	33	38	40																																																							
5.0	32	36	39																																																							
5.5	30	32	38																																																							
—	—	—	—																																																							
—	—	—	—																																																							



BC-3180



# COSEL

Model		LEA75F-15	
Item		Ripple Voltage (by Load Current) リップル電圧 (負荷電流特性)	
Object		+15V5A	

1. Graph

-----□----- Input Volt. 85V

-----△----- Input Volt. 132V

[mV]

150

125

100

75

50

25

0

Ripple Voltage

0

2

4

6

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

Temperature

25℃

Testing Circuitry

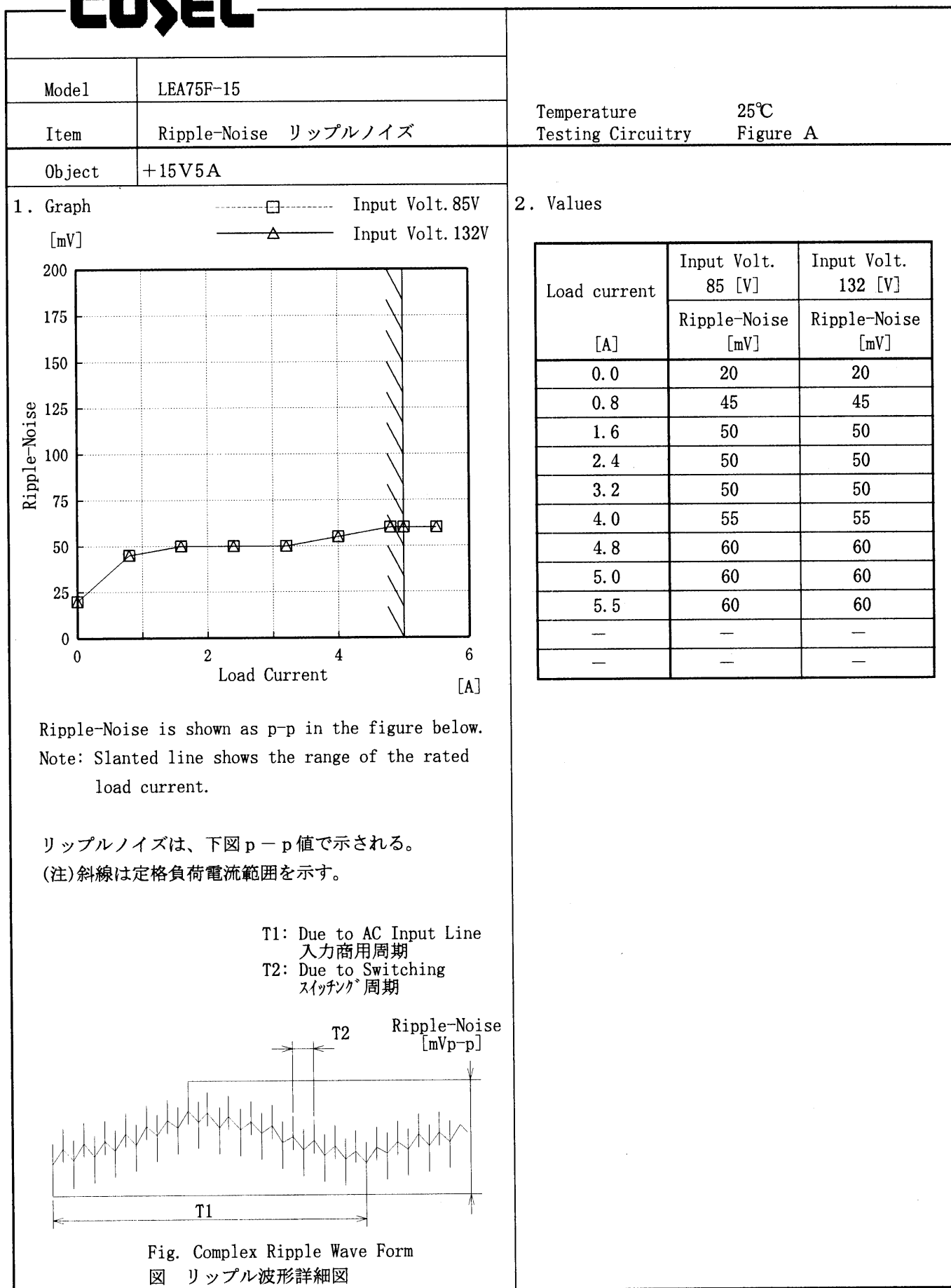
Figure A

2. Values

Load Current	Input Volt.	Input Volt.
	85 [V]	132 [V]
[A]	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
0.0	10	10
0.8	35	35
1.6	40	40
2.4	40	40
3.2	40	40
4.0	40	40
4.8	40	40
5.0	40	40
5.5	40	40
—	—	—
—	—	—



# COSEL





# COSEL

Model		LEA75F-15	
Item		Overcurrent Protection 過電流保護	
Object		+15V5A	

1. Graph

[V]

----- Input Volt. 85 V

===== Input Volt. 100 V

===== Input Volt. 132 V

Output Voltage

[V]

20.0

15.0

10.0

5.0

0.0

0

2

4

6

8

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。

9V以下は間欠状態。

Output Voltage [V]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
	Load Current [A]	Load Current [A]	Load Current [A]
15.00	6.36	6.36	6.37
14.25	6.39	6.40	6.40
13.50	6.45	6.45	6.46
12.00	6.57	6.57	6.59
10.50	6.68	6.68	6.69
9.00	6.74	6.74	6.75
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

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。  
9V以下は間欠状態。



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COSEL

Model	LEA75F-15
Item	Overvoltage Protection 過電圧保護
Object	+15V5A

1. Graph

△

Input Volt. 85 V

□

Input Volt. 100 V

○

Input Volt. 132 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。

Testing Circuitry      Figure A

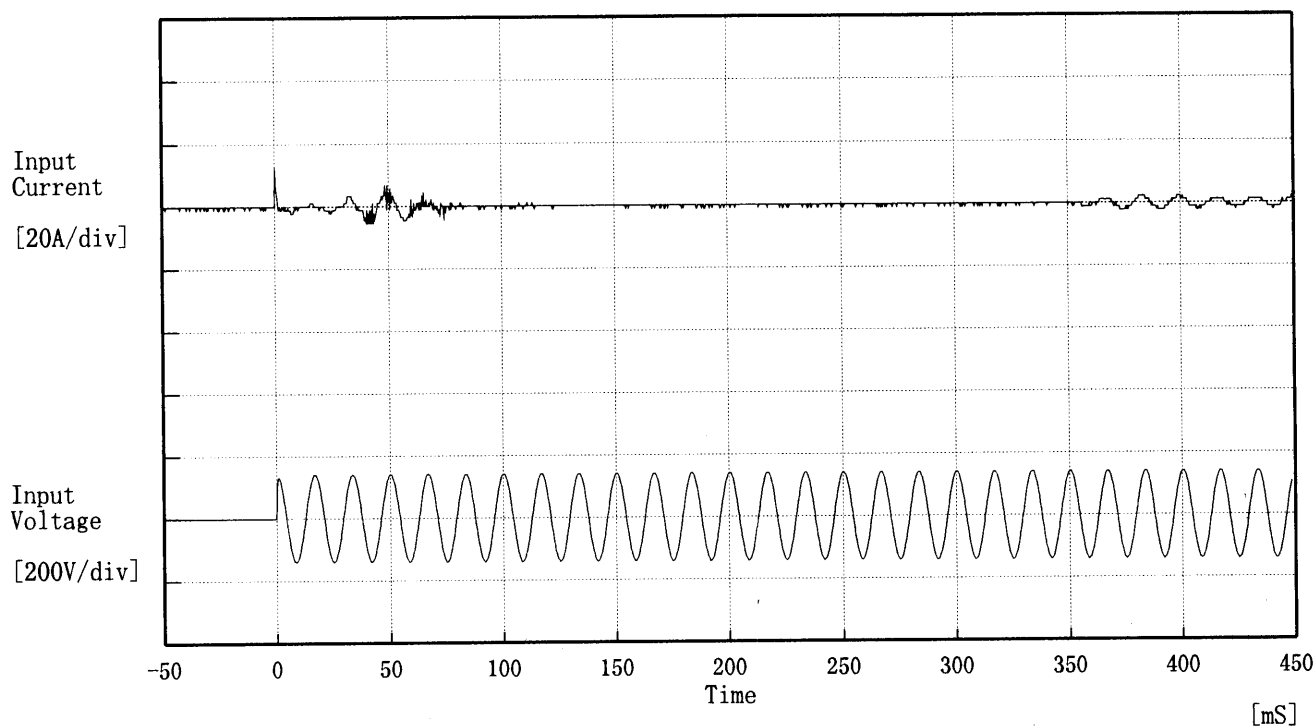
2. Values

Ambient Temp.	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
[°C]	Operating Point [V]		
-20	18.3	18.3	18.3
-10	18.4	18.4	18.4
0	18.6	18.6	18.6
10	18.7	18.7	18.7
20	18.8	18.8	18.8
25	18.9	18.9	18.9
30	19.0	19.0	19.0
40	19.1	19.1	19.1
50	19.2	19.2	19.2
60	19.3	19.3	19.3
—	—	—	—



**COSEL**

Model	LEA75F-15	Temperature 25℃ Testing Circuitry Figure A
Item	Inrush Current 突入電流	
Object		



Input Voltage 100 V

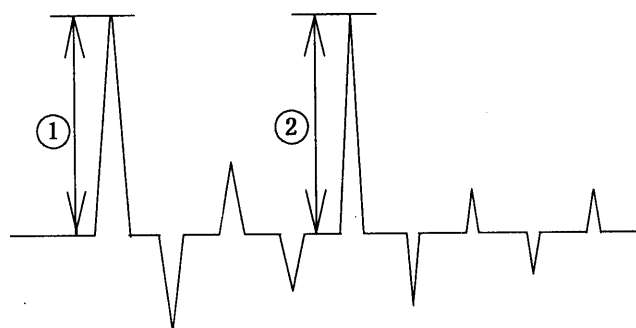
Frequency 60 Hz

Load 100 %

Inrush Current

① 12.35 [A]

② 5.63 [A]





# COSEL

Model	LEA75F-15		
Item	Dynamic Load Responce 動的負荷変動	Temperature	25℃
Object	+15V5A	Testing Circuitry	Figure A

Input Volt. 100 V

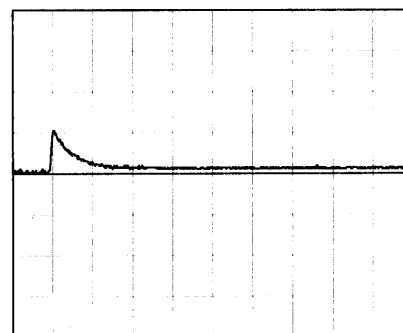
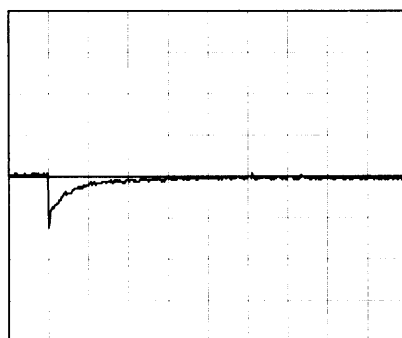
Cycle 1000 mS

Load Current



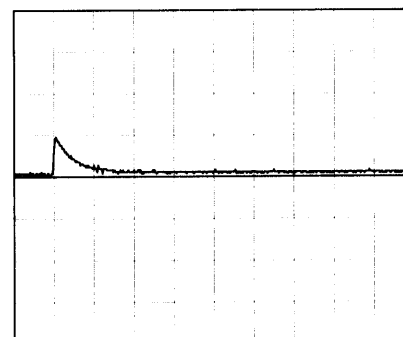
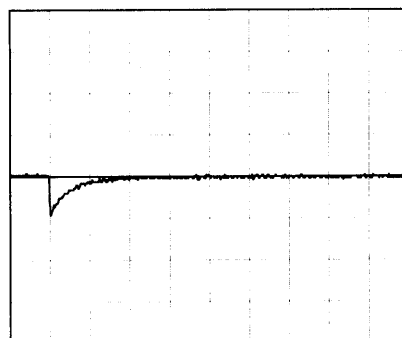
Min. Load ↔

Load 100 %



Min. Load ↔

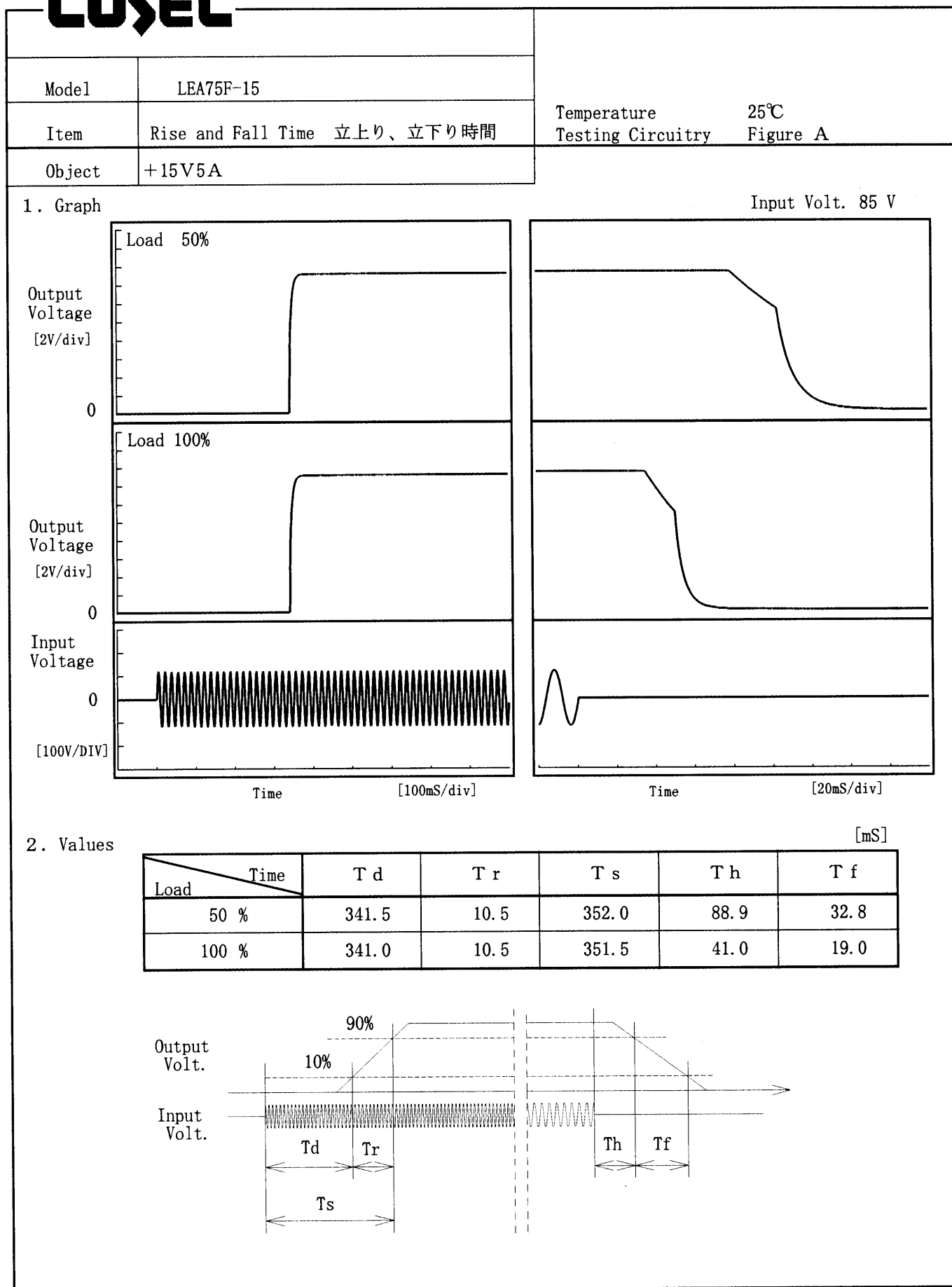
Load 50 %



100 mV/div

10 ms/div



**COSEL**



# COSEL

Model		LEA75F-15	
Item		Ambient Temperature Drift 周囲温度変動	
Object		+15V5A	

1. Graph

—△—

Input Volt. 85V

---□---

Input Volt. 100V

---○---

Input Volt. 132V

Output Voltage [V]

</



# COSEL

Model		LEA75F-15																																							
Item		Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧																																							
Object		+15V5A																																							
1. Graph		<div> <div> <div>□</div> <div>-----</div> <div>Load 50%</div> </div> <div> <div>△</div> <div>-----</div> <div>Load 100%</div> </div> </div> <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> <tr> <th>Ambient Temp.</th><th>Load 50%</th><th>Load 100%</th></tr> <tr> <th>[°C]</th><th>Input Volt. [V]</th><th>Input Volt. [V]</th></tr> <tr><td>-20</td><td>72</td><td>73</td></tr> <tr><td>-10</td><td>72</td><td>73</td></tr> <tr><td>0</td><td>72</td><td>73</td></tr> <tr><td>10</td><td>72</td><td>73</td></tr> <tr><td>20</td><td>72</td><td>73</td></tr> <tr><td>25</td><td>72</td><td>73</td></tr> <tr><td>30</td><td>72</td><td>73</td></tr> <tr><td>40</td><td>72</td><td>73</td></tr> <tr><td>50</td><td>72</td><td>73</td></tr> <tr><td>60</td><td>72</td><td>73</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </table>	Ambient Temp.	Load 50%	Load 100%	[°C]	Input Volt. [V]	Input Volt. [V]	-20	72	73	-10	72	73	0	72	73	10	72	73	20	72	73	25	72	73	30	72	73	40	72	73	50	72	73	60	72	73	—	—	—
Ambient Temp.	Load 50%	Load 100%																																							
[°C]	Input Volt. [V]	Input Volt. [V]																																							
-20	72	73																																							
-10	72	73																																							
0	72	73																																							
10	72	73																																							
20	72	73																																							
25	72	73																																							
30	72	73																																							
40	72	73																																							
50	72	73																																							
60	72	73																																							
—	—	—																																							



# COSEL

Model		LEA75F-15	
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)	
Object		+15V5A	

1. Graph

□

Load 50%

△

Load 100%

[mV]

150

125

100

75

50

25

0

Ripple Voltage

-30

-10

10

30

50

70

Ambient Temperature

[°C]

Input Volt. 100 V

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

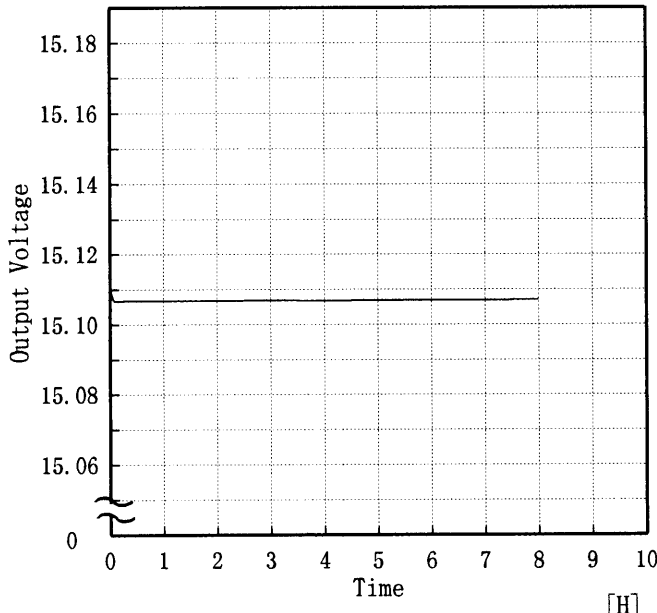
(注)斜線は定格周囲温度範囲を示す。

2. Values

Ambient Temp. [°C]	Load 50%	Load 100%
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
-20	85	85
-10	65	65
0	55	55
10	45	45
20	40	40
25	40	40
30	35	35
40	30	30
50	30	30
60	25	25
—	—	—



# COSEL

COSEL																									
Model	LEA75F-15																								
Item	Time Lapse Drift 経時ドリフト																								
Object	+15V5A																								
1. Graph		2.Values																							
<div>[V]</div> <div></div> <div>Output Voltage [V]</div> <div>Time [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>15.113</td></tr><tr><td>0.5</td><td>15.107</td></tr><tr><td>1.0</td><td>15.107</td></tr><tr><td>2.0</td><td>15.107</td></tr><tr><td>3.0</td><td>15.107</td></tr><tr><td>4.0</td><td>15.107</td></tr><tr><td>5.0</td><td>15.107</td></tr><tr><td>6.0</td><td>15.107</td></tr><tr><td>7.0</td><td>15.107</td></tr><tr><td>8.0</td><td>15.107</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	15.113	0.5	15.107	1.0	15.107	2.0	15.107	3.0	15.107	4.0	15.107	5.0	15.107	6.0	15.107	7.0	15.107	8.0	15.107
Time since start [H]	Output Voltage [V]																								
0.0	15.113																								
0.5	15.107																								
1.0	15.107																								
2.0	15.107																								
3.0	15.107																								
4.0	15.107																								
5.0	15.107																								
6.0	15.107																								
7.0	15.107																								
8.0	15.107																								
		Temperature 25 °C																							
		Testing Circuitry Figure A																							



# COSEL

Model	LEA75F-15	Testing Circuitry Figure A
Item	Output Voltage Accuracy 定電圧精度	
Object	+15V5A	

## Output Voltage Accuracy

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

Temperature : -10~50 °C

Input Voltage : 85~132 V

Load Current : 0.00~5 A

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

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

## 定電圧精度

周囲温度、入力電圧、負荷を下記仕様内で、任意に変動させたときの出力電圧の変動をいう。

周囲温度 : -10~50 °C

入力電圧 : 85~132 V

負荷電流 : 0.00~5 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) = 
$$\frac{\text{変動値}}{\text{定格出力電圧}} \times 100$$

Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	25	132	0.00	15.126	±11	±0.1
Minimum Voltage	50	132	5.00	15.106		



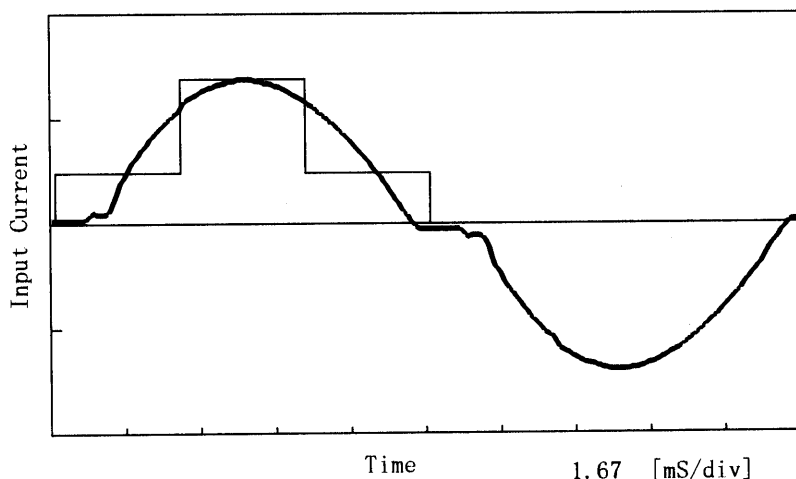
**COSEL**

Model	LEA75F-15	Temperature	25°C
Item	Harmonic Current 高調波電流	Testing Circuitry	Figure E
Object			

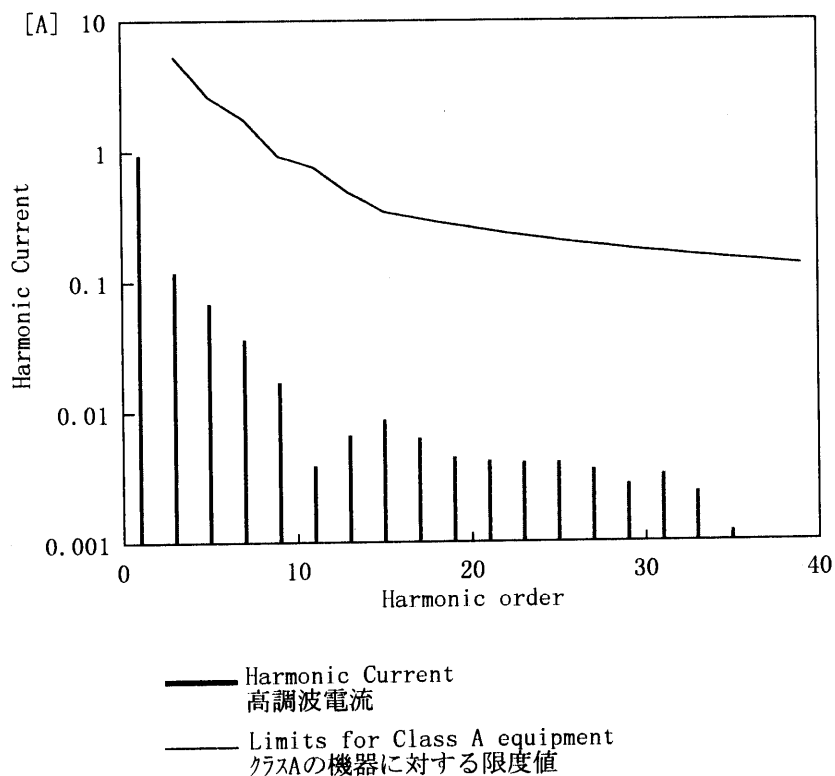
## 1. Input Current Waveform

— Input Current  
 — Envelope of the input current to classify equipment as Class D  
 クラスDの機器を決定するための入力電流包絡線

1 A/div



## 2. Harmonic Current



Conditions	Values
Input Voltage [V]	100.4
Input Current [A]	0.962
Active Power [W]	95.4
Apparent Power [VA]	96.6
Frequency [Hz]	60
Power Factor	0.988
Output Power [W]	75

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.95100
2	—	0.00050
3	5.26892	0.11910
4	—	0.00030
5	2.61155	0.06800
6	—	0.00010
7	1.76394	0.03600
8	—	0.00010
9	0.91633	0.01680
10	—	0.00010
11	0.75598	0.00390
12	—	0.00010
13	0.48108	0.00660
14	—	0.00010
15	0.34363	0.00870
16	—	0.00000
17	0.30320	0.00630
18	—	0.00000
19	0.27128	0.00450
20	—	0.00010
21	0.24545	0.00420
22	—	0.00010
23	0.22410	0.00410
24	—	0.00000
25	0.20618	0.00410
26	—	0.00000
27	0.19090	0.00360
28	—	0.00000
29	0.17774	0.00280
30	—	0.00000
31	0.16627	0.00330
32	—	0.00000
33	0.15619	0.00240
34	—	0.00000
35	0.14727	0.00120
36	—	0.00000
37	0.13931	0.00060
38	—	0.00000
39	0.13216	0.00080
40	—	0.00000



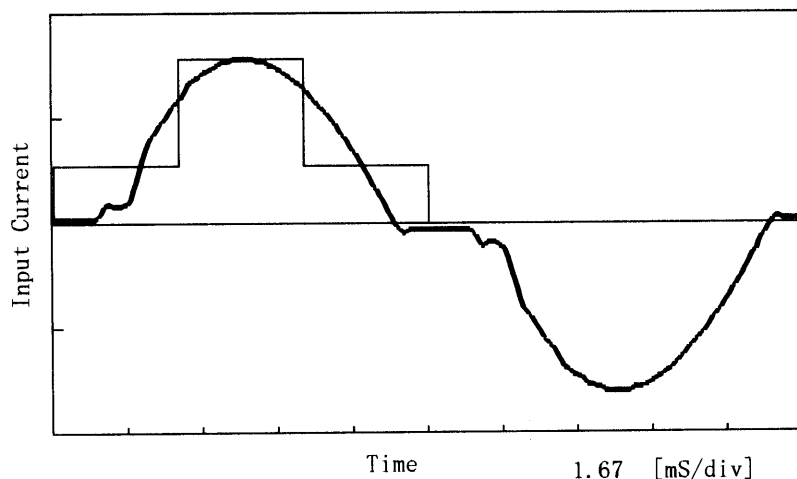
COSEL

Model	LEA75F-15	Temperature	25°C
Item	Harmonic Current 高調波電流	Testing Circuitry	Figure E
Object			

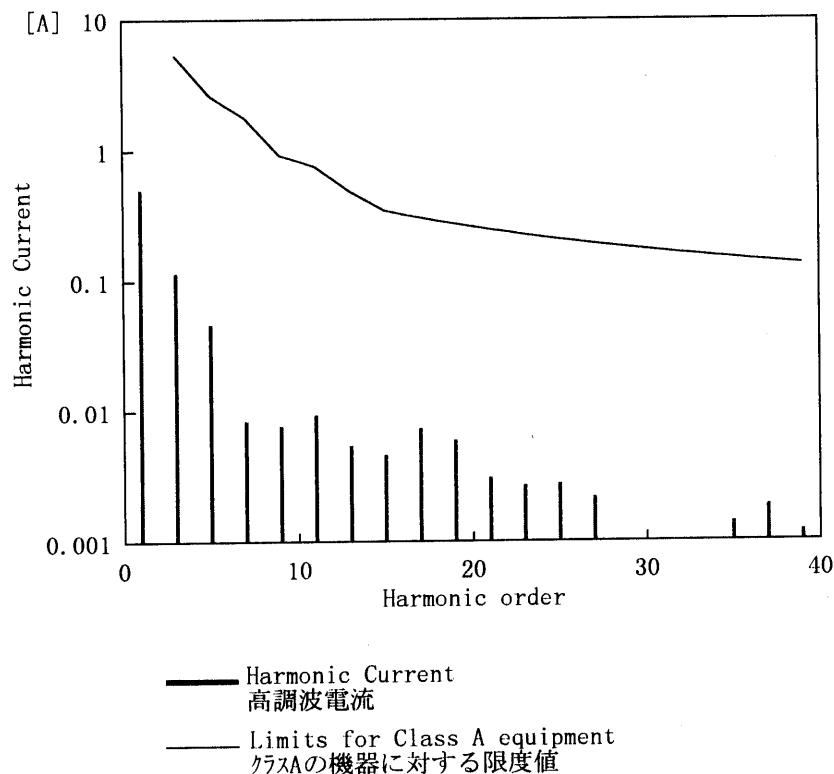
## 1. Input Current Waveform

— Input Current  
— Envelope of the input current to classify equipment as Class D  
クラスDの機器を決定するための入力電流包絡線

0.5 A/div



## 2. Harmonic Current



Conditions	Values
Input Voltage [V]	100.1
Input Current [A]	0.521
Active Power [W]	50.6
Apparent Power [VA]	52.2
Frequency [Hz]	60
Power Factor	0.969
Output Power [W]	37.5

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.50560
2	—	0.00050
3	5.28472	0.11550
4	—	0.00000
5	2.61938	0.04650
6	—	0.00000
7	1.76923	0.00840
8	—	0.00000
9	0.91908	0.00770
10	—	0.00000
11	0.75824	0.00930
12	—	0.00000
13	0.48252	0.00540
14	—	0.00010
15	0.34466	0.00460
16	—	0.00010
17	0.30411	0.00730
18	—	0.00010
19	0.27210	0.00590
20	—	0.00010
21	0.24618	0.00310
22	—	0.00010
23	0.22478	0.00270
24	—	0.00010
25	0.20679	0.00280
26	—	0.00010
27	0.19148	0.00220
28	—	0.00010
29	0.17827	0.00080
30	—	0.00010
31	0.16677	0.00060
32	—	0.00000
33	0.15666	0.00050
34	—	0.00000
35	0.14771	0.00140
36	—	0.00000
37	0.13973	0.00190
38	—	0.00000
39	0.13256	0.00120
40	—	0.00000







**COSEL**

Model	LEA75F-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	0.15	0.18	0.24
(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	—	—	—

## 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	LEA75F-15	Temperature Testing Circuitry	25°C Figure C
Item	Line Noise Tolerance 入力雑音耐量		
Object	+15V5A		

## 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
50	COMMON	OK	no fluctuation
	NORMAL	OK	no fluctuation
1000	COMMON	OK	no fluctuation
	NORMAL	OK	no fluctuation

## Conditions

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



# COSEL

Model	LEA75F-15	Temperature	25°C
Item	Conducted Emission 雑音端子電圧	Testing Circuitry	Figure D
Object			

## 1. Graph

## Remarks

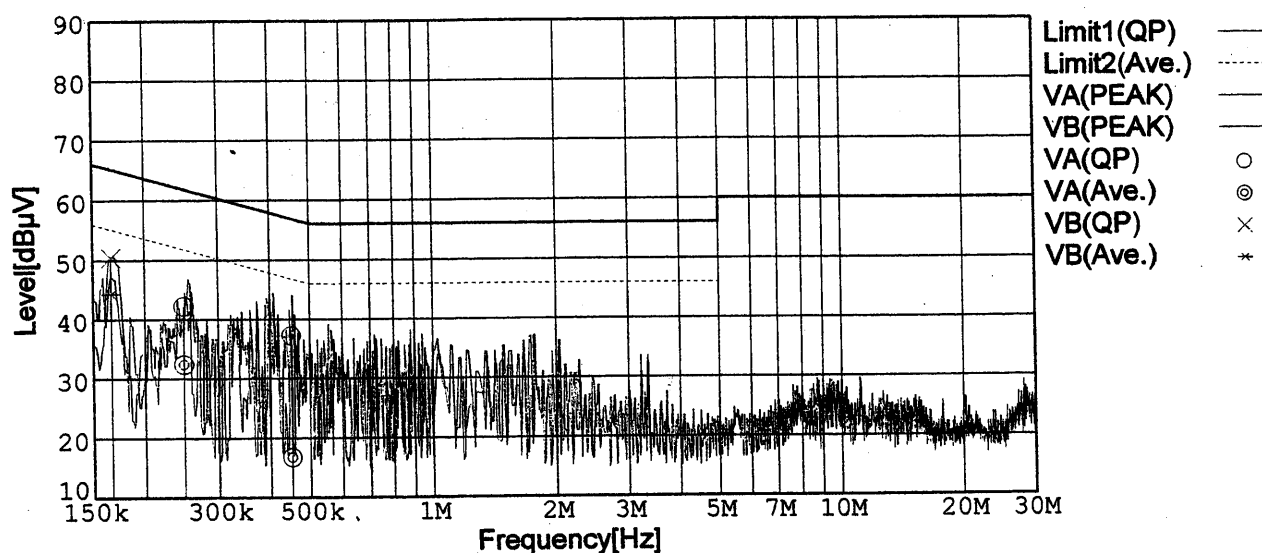
Input Volt. 100V ( VCCI Class B )

120V ( FCC Class B )

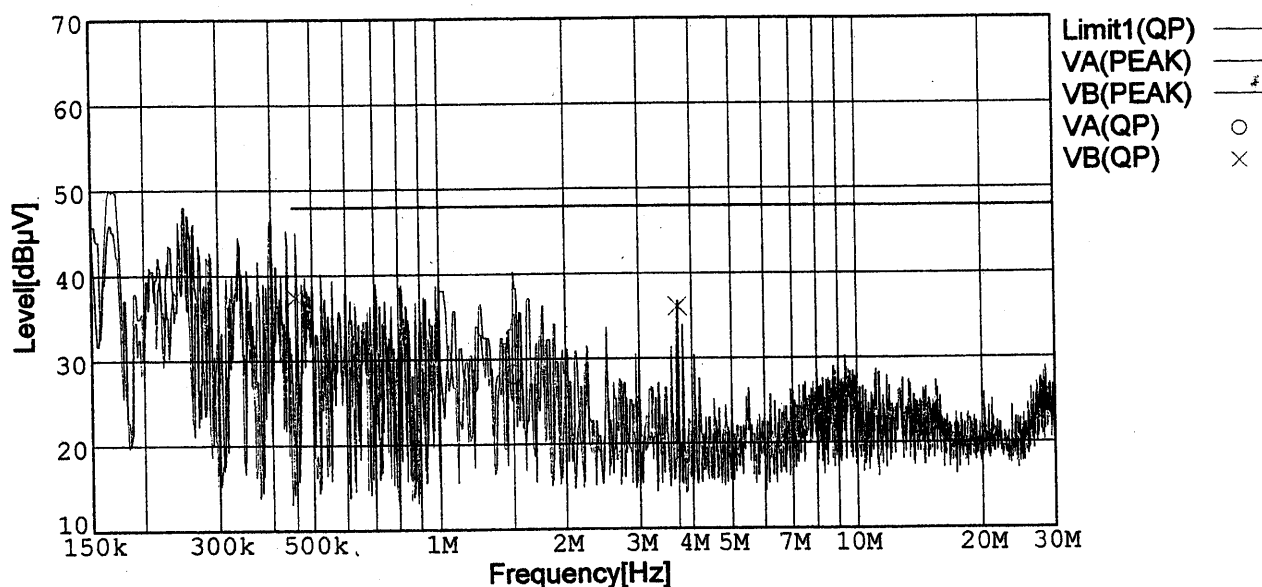
Load 100 %

Limit1: [VCCI] Class B(QP)

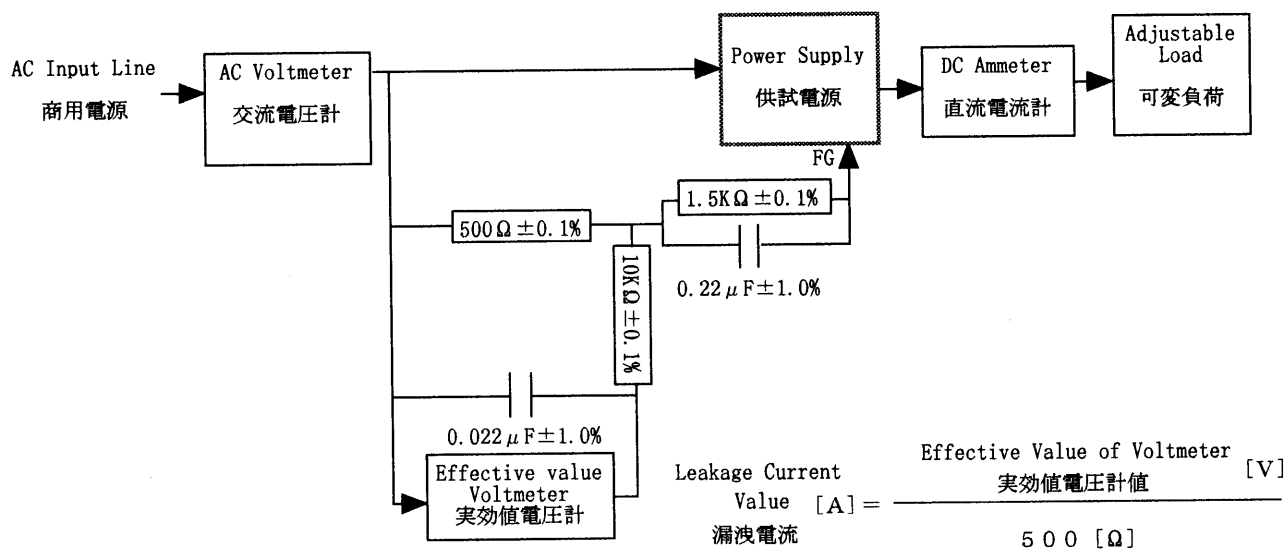
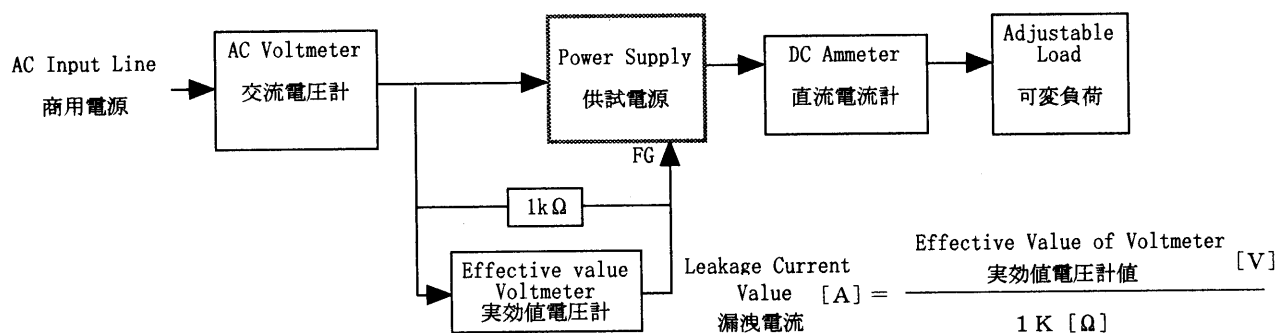
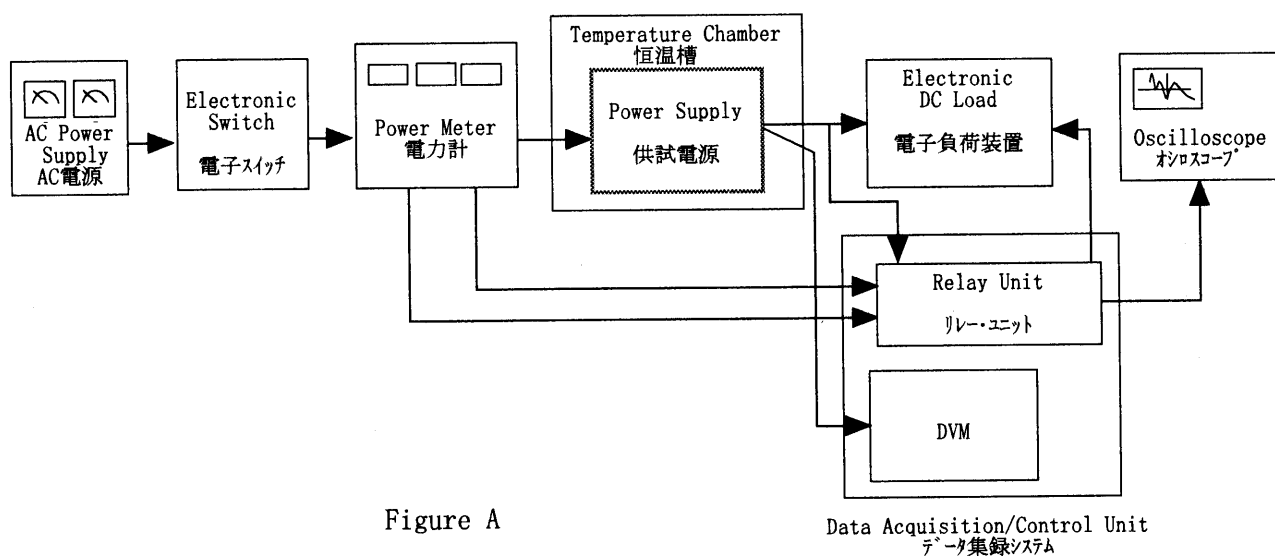
Limit2: [VCCI] Class B(Ave.)



Limit1: [FCC Part15] Class B









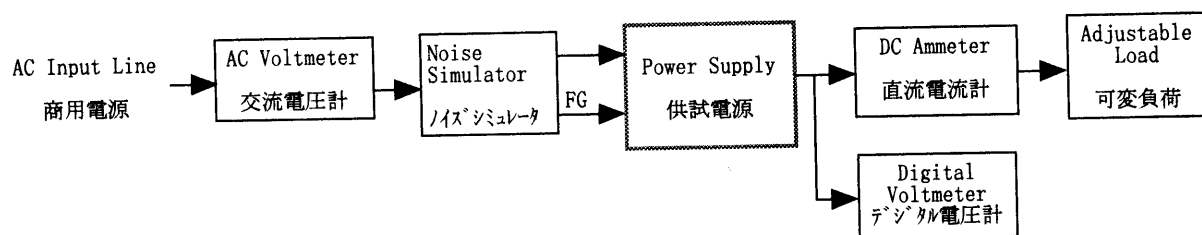


Figure C

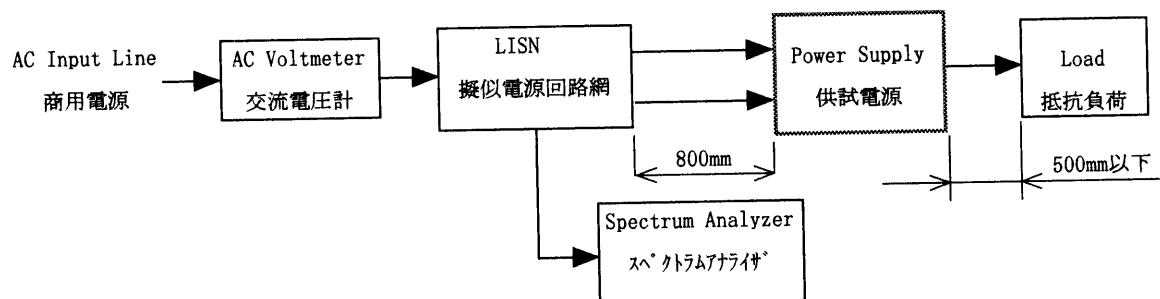


Figure D

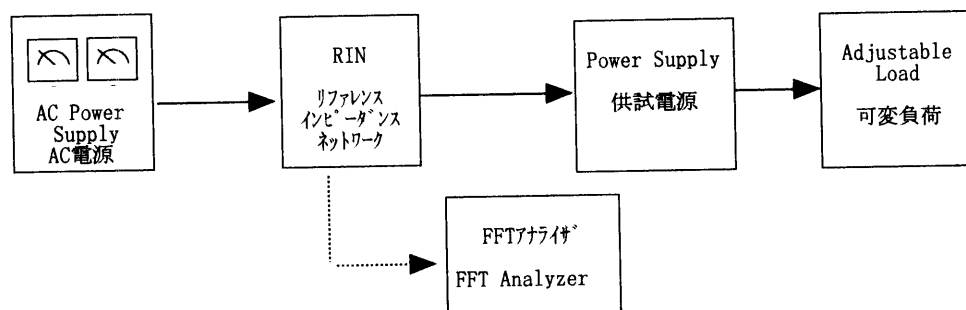


Figure E