



TEST DATA OF LEA100F-5 (200V INPUT)

Regulated DC Power Supply

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コーセル株式会社
COSEL CO.,LTD.

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Model		LEA100F-5		Temperature Testing Circuitry	25℃ Figure A																																
Item		Line Regulation 静的入力変動																																			
Object		+5V20A																																			
1. Graph				2. Values																																	
<div><div><div>-----□-----</div><div>-----△-----</div></div><div>Load 50%</div><div>Load 100%</div></div> <div><div>Output Voltage [V]</div><div><div>5.170</div><div>5.150</div><div>5.130</div><div>5.110</div><div>5.090</div><div>5.070</div><div>5.050</div><div>0</div></div><div><div>0</div><div>160</div><div>180</div><div>200</div><div>220</div><div>240</div><div>260</div><div>280</div><div>300</div></div><div>Input Voltage [V]</div></div> <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>				<table><tr><th rowspan="2">Input Voltage [V]</th><th>Load 50%</th><th>Load 100%</th></tr><tr><th>Output Volt. [V]</th><th>Output Volt. [V]</th></tr><tr><td>150</td><td>5.106</td><td>5.096</td></tr><tr><td>160</td><td>5.106</td><td>5.096</td></tr><tr><td>170</td><td>5.106</td><td>5.096</td></tr><tr><td>180</td><td>5.106</td><td>5.096</td></tr><tr><td>200</td><td>5.106</td><td>5.096</td></tr><tr><td>220</td><td>5.106</td><td>5.096</td></tr><tr><td>240</td><td>5.106</td><td>5.096</td></tr><tr><td>264</td><td>5.106</td><td>5.096</td></tr><tr><td>280</td><td>5.106</td><td>5.096</td></tr></table>		Input Voltage [V]	Load 50%	Load 100%	Output Volt. [V]	Output Volt. [V]	150	5.106	5.096	160	5.106	5.096	170	5.106	5.096	180	5.106	5.096	200	5.106	5.096	220	5.106	5.096	240	5.106	5.096	264	5.106	5.096	280	5.106	5.096
Input Voltage [V]	Load 50%	Load 100%																																			
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Model		LEA100F-5		Temperature Testing Circuitry	25℃ Figure A
Item		Input Current (by Load Current) 入力電流 (負荷特性)			
Output		_____			

1. Graph

—△— Input Volt. 170V

---□--- Input Volt. 200V

---○--- Input Volt. 264V

[A]

1

0.8

0.6

0.4

0.2

0

Load Current [A]	170V Input Current [A]	200V Input Current [A]	264V Input Current [A]
0	0.072	0.074	0.090
4	0.224	0.201	0.177
8	0.363	0.320	0.265
12	0.506	0.440	0.356
16	0.650	0.562	0.448
20	0.799	0.688	0.542
22	0.874	0.750	0.590

0

5

10

15

20

25

Load Current

[A]

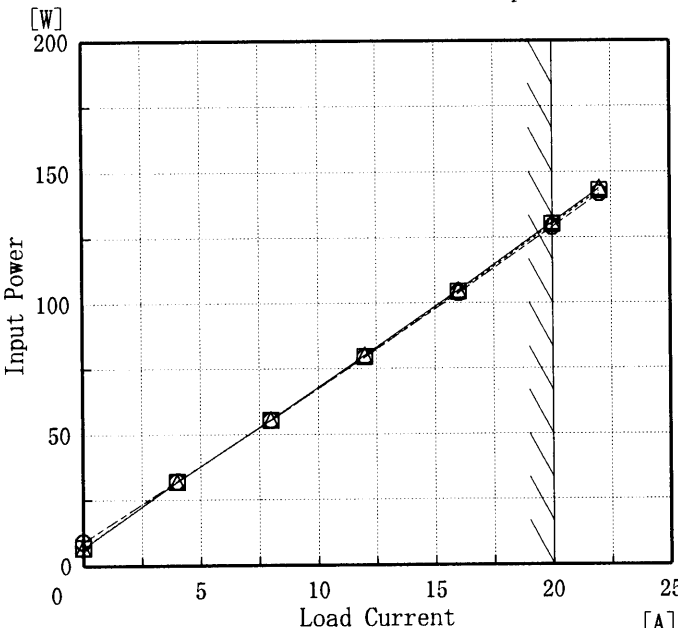
Note: Slanted line shows the range of the rated load current

(注)斜線は定格負荷電流範囲を示す。

2. Values

Load Current [A]	Input Current [A]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0	0.072	0.074	0.090
4	0.224	0.201	0.177
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—	—	—	—
—	—	—	—
—	—	—	—

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Model		LEA100F-5		Temperature		25℃																																																								
Item		Input Power (by Load Current) 入力電力 (負荷特性)		Testing Circuitry		Figure A																																																								
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<div><div><div>—△—</div><div>Input Volt. 170V</div></div><div><div>---□---</div><div>Input Volt. 200V</div></div><div><div>---○---</div><div>Input Volt. 264V</div></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 Power [W]</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</td><td>6.60</td><td>6.80</td><td>9.10</td></tr><tr><td>4</td><td>31.90</td><td>31.90</td><td>32.10</td></tr><tr><td>8</td><td>55.70</td><td>55.50</td><td>55.50</td></tr><tr><td>12</td><td>80.10</td><td>79.70</td><td>79.40</td></tr><tr><td>16</td><td>105.00</td><td>104.40</td><td>103.80</td></tr><tr><td>20</td><td>130.70</td><td>130.00</td><td>129.00</td></tr><tr><td>22</td><td>143.70</td><td>142.80</td><td>141.70</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]	Input Power [W]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0	6.60	6.80	9.10	4	31.90	31.90	32.10	8	55.70	55.50	55.50	12	80.10	79.70	79.40	16	105.00	104.40	103.80	20	130.70	130.00	129.00	22	143.70	142.80	141.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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Model		LEA100F-5		Temperature25℃ Testing CircuitryFigure A																																																							
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Model		LEA100F-5		Temperature 25℃ Testing Circuitry Figure A																																
Item		Power Factor (by Input Voltage) 力率 (入力電圧特性)																																		
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Model	LEA100F-5	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. 170V
 - - □ - - Input Volt. 200V
 - - ○ - - Input Volt. 264V

Power Factor

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。

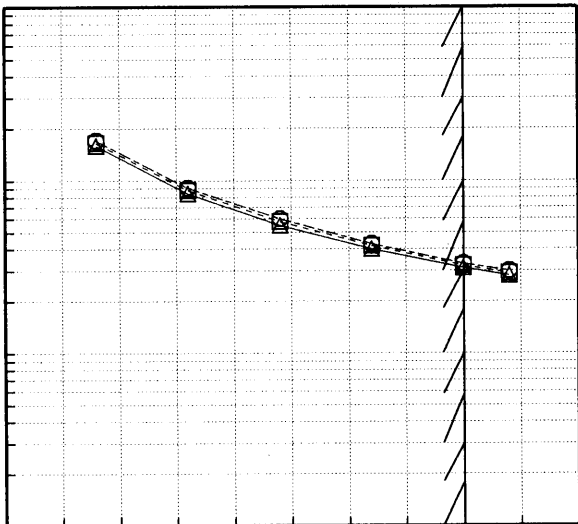
2. Values

Load Current [A]	Power Factor		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0	0.54	0.46	0.38
4	0.84	0.79	0.69
8	0.90	0.87	0.79
12	0.93	0.91	0.84
16	0.95	0.93	0.88
20	0.96	0.95	0.90
22	0.97	0.95	0.91
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

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Model		LEA100F-5	Temperature Testing Circuitry	25℃ Figure A																														
Item		Hold-Up Time 出力保持時間																																
Object		+5V20A																																
1. Graph		<div><div><div>—△—</div><div>Load 50%</div></div><div><div>- -□- -</div><div>Load 100%</div></div></div> <div><div>[mS]</div><div>1000</div><div>100</div><div>10</div><div>1</div></div> <div><div>Hold-Up Time</div></div> <div><div>0</div><div>160</div><div>180</div><div>200</div><div>220</div><div>240</div><div>260</div><div>280</div><div>300</div></div> <div><div>Input Voltage</div><div>[V]</div></div> <div><div>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.</div><div>Note: Slanted line shows the range of the rated input voltage.</div><div>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。</div><div>(注)斜線は定格入力電圧範囲を示す。</div></div>	2. Values																															
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Input Voltage [V]	Load 50%	Load 100%																																
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Model		LEA100F-5		Temperature 25℃																																																		
Item		Instantaneous Interruption Compensation 瞬時停電保障		Testing Circuitry Figure A																																																		
Object		+5.0V 20A																																																				
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<div><div><div>—△—</div><div>Input Volt. 170 V</div></div><div><div>- -□- -</div><div>Input Volt. 200 V</div></div><div><div>- -○- -</div><div>Input Volt. 264 V</div></div></div> <div><div><div>[mS]</div><div>1000</div><div>100</div><div>10</div><div>1</div></div><div><div>Instantaneous Compensation Time</div><div>0510152025</div><div>Load Current [A]</div></div></div> <div><div><div>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.</div><div>Note:Slanted line shows the range of the rated load current.</div></div><div><div>瞬時停電保障時間とは、出力電圧が定電圧精度の規格範囲を保持している瞬時停電時間をいう。</div><div>(注)斜線は定格負荷電流範囲を示す。</div></div></div> <table><tr><td rowspan="2">Load Current [A]</td><td>Input Volt. 170[V]</td><td>Input Volt. 200[V]</td><td>Input Volt. 264[V]</td></tr><tr><td colspan="3">Time [mS]</td></tr><tr><td>0</td><td>—</td><td>—</td><td>—</td></tr><tr><td>4</td><td>160</td><td>166</td><td>171</td></tr><tr><td>8</td><td>84</td><td>88</td><td>91</td></tr><tr><td>12</td><td>55</td><td>58</td><td>60</td></tr><tr><td>16</td><td>40</td><td>42</td><td>43</td></tr><tr><td>20</td><td>31</td><td>32</td><td>33</td></tr><tr><td>22</td><td>28</td><td>29</td><td>30</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr></table>				Load Current [A]	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	Time [mS]			0	—	—	—	4	160	166	171	8	84	88	91	12	55	58	60	16	40	42	43	20	31	32	33	22	28	29	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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Model	LEA100F-5	Temperature	25°C																																												
Item	Load Regulation 静的負荷変動	Testing Circuitry	Figure A																																												
Object	+5V20A	2. Values																																													
1. Graph	<div> <div>—△— Input Volt. 170V</div> <div>- - -□- - - Input Volt. 200V</div> <div>- - -○- - - Input Volt. 264V</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 border="1"> <thead> <tr> <th>Load Current [A]</th><th>Input Volt. 170[V] Output Volt. [V]</th><th>Input Volt. 200[V] Output Volt. [V]</th><th>Input Volt. 264[V] Output Volt. [V]</th></tr> </thead> <tbody> <tr><td>0.00</td><td>5.116</td><td>5.116</td><td>5.116</td></tr> <tr><td>4.00</td><td>5.112</td><td>5.112</td><td>5.112</td></tr> <tr><td>8.00</td><td>5.108</td><td>5.108</td><td>5.108</td></tr> <tr><td>12.00</td><td>5.105</td><td>5.104</td><td>5.104</td></tr> <tr><td>16.00</td><td>5.101</td><td>5.101</td><td>5.101</td></tr> <tr><td>20.00</td><td>5.097</td><td>5.097</td><td>5.097</td></tr> <tr><td>22.00</td><td>5.095</td><td>5.095</td><td>5.095</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> </tbody> </table>		Load Current [A]	Input Volt. 170[V] Output Volt. [V]	Input Volt. 200[V] Output Volt. [V]	Input Volt. 264[V] Output Volt. [V]	0.00	5.116	5.116	5.116	4.00	5.112	5.112	5.112	8.00	5.108	5.108	5.108	12.00	5.105	5.104	5.104	16.00	5.101	5.101	5.101	20.00	5.097	5.097	5.097	22.00	5.095	5.095	5.095	—	—	—	—	—	—	—	—	—	—	—	—
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COSEL

Model		LEA100F-5																																							
Item	Ripple Voltage (by Load Current) リップル電圧 (負荷電流特性)		Temperature 25℃ Testing Circuitry Figure A																																						
Object	+5V20A																																								
1. Graph		2. Values																																							
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<div><p>リップル電圧は、下図 p - p 値で示される。</p><p>(注) 斜線は定格負荷電流範囲を示す。</p><div><div>T1: Due to AC Input Line 入力商用周期</div><div>T2: Due to Switching スイッチング周期</div><div><p>Fig. Complex Ripple Wave Form</p><p>図 リップル波形詳細図</p></div></div></div>																																									

– 12 –

COSEL

Model		LEA100F-5	Temperature 25°C Testing Circuitry Figure A																																																						
Item		Overcurrent Protection 過電流保護																																																							
Object		+5V20A																																																							
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3.5V以下は間欠状態。																																																									

COSEL

Model

LEA100F-5

Item

Overvoltage Protection
過電圧保護

Object

+5V20A

1. Graph

△

Input Volt. 170 V

□

Input Volt. 200 V

○

Input Volt. 264 V

Operating Point [V]

-30

-10

10

30

50

70

Ambient Temperature [°C]

9.97

8.97

7.97

6.97

5.97

4.97

3.97

0

Operating Point

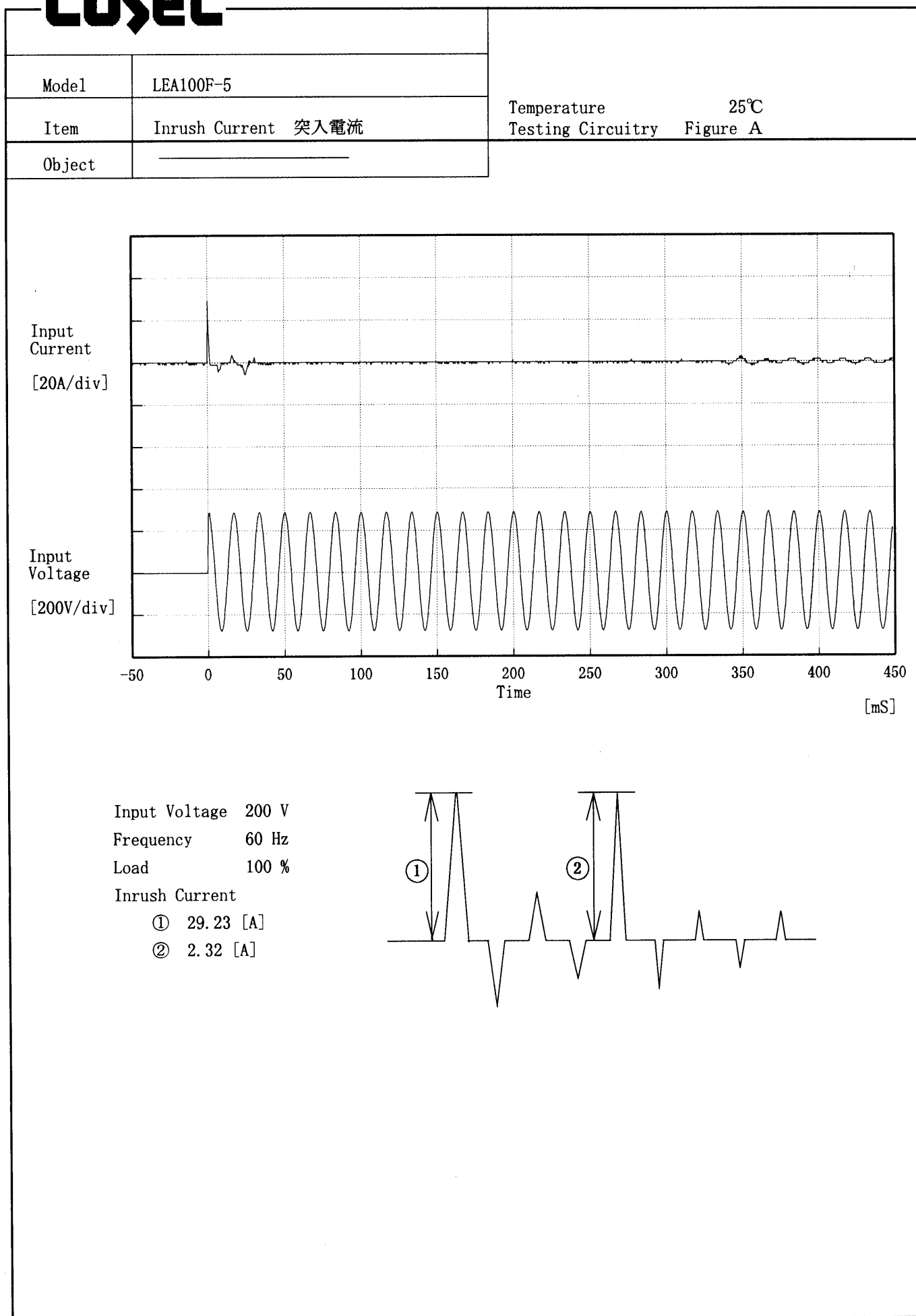
Load 0%

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.	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
[°C]	Operating Point [V]		
-20	6.51	6.51	6.51
-10	6.50	6.50	6.50
0	6.49	6.49	6.49
10	6.48	6.48	6.48
20	6.47	6.47	6.47
25	6.47	6.47	6.47
30	6.46	6.46	6.46
40	6.46	6.46	6.46
50	6.45	6.45	6.45
60	6.45	6.45	6.45
—	—	—	—

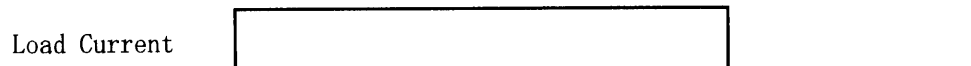
COSEL

COSEL

Model	LEA100F-5	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+5V20A	

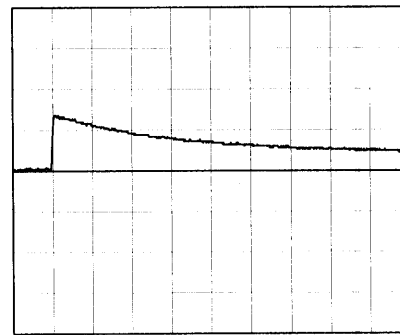
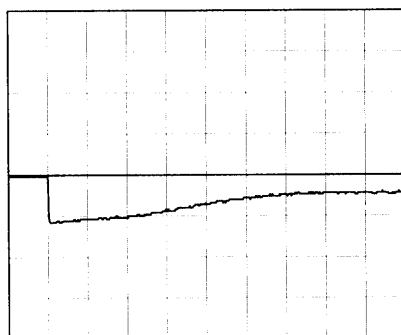
Input Volt. 200 V

Cycle 1000 mS



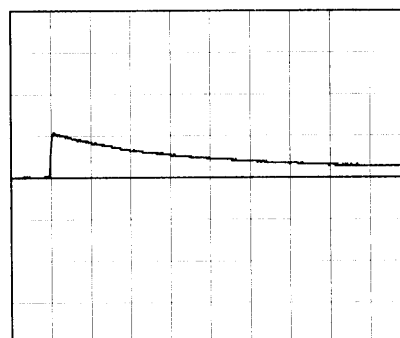
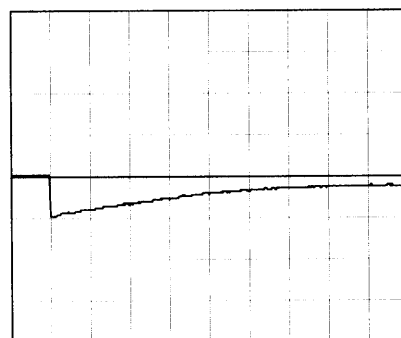
Min. Load ↔

Load 100 %



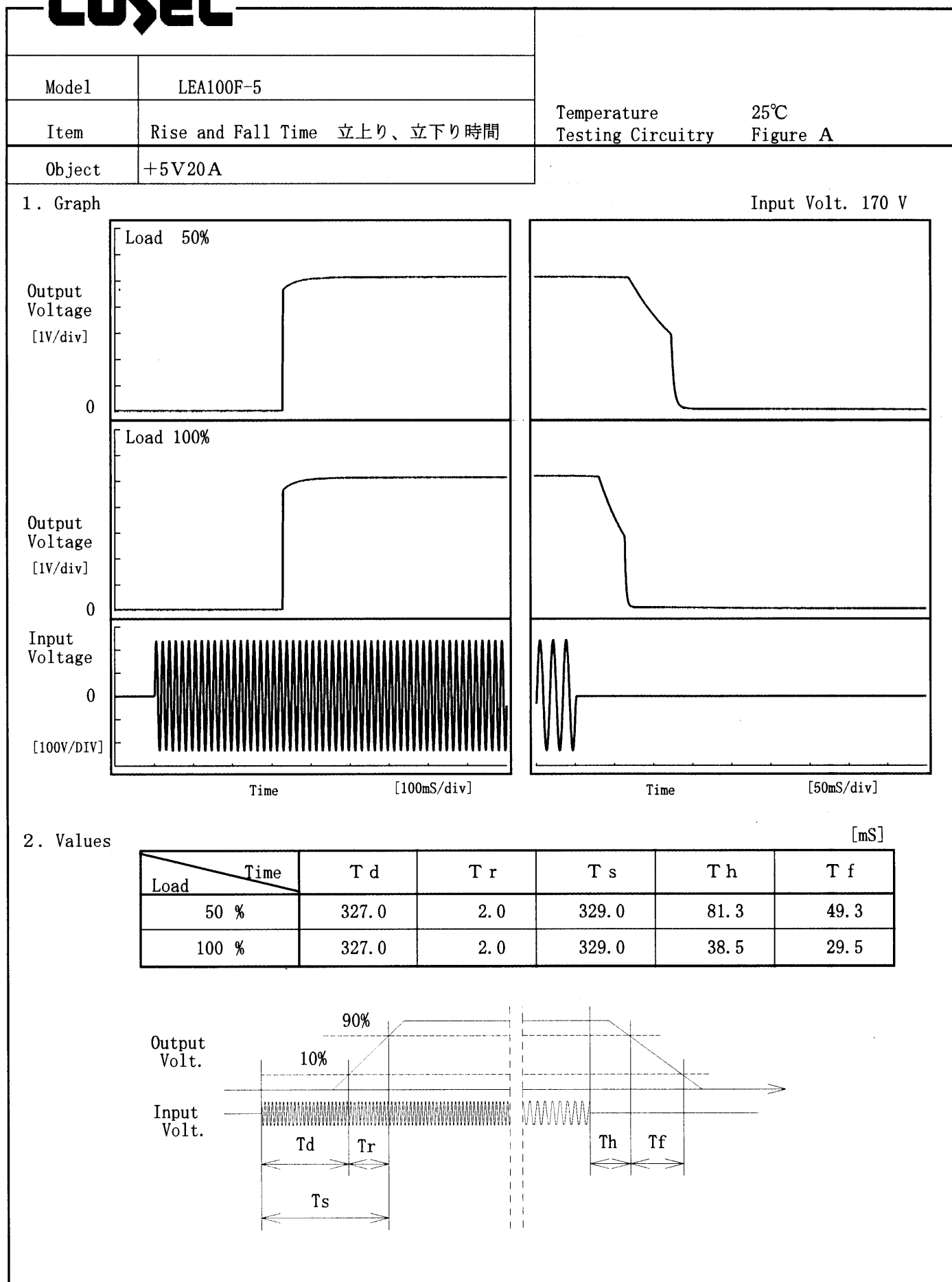
Min. Load ↔

Load 50 %



50 mV/div

10 ms/div

COSEL

COSEL

Model		LEA100F-5	
Item		Ambient Temperature Drift 周囲温度変動	
Object		+5V20A	

1. Graph

△

Input Volt. 170V

□

Input Volt. 200V

○

Input Volt. 264V

Output Voltage [V]

</

COSEL

Model

LEA100F-5

Item

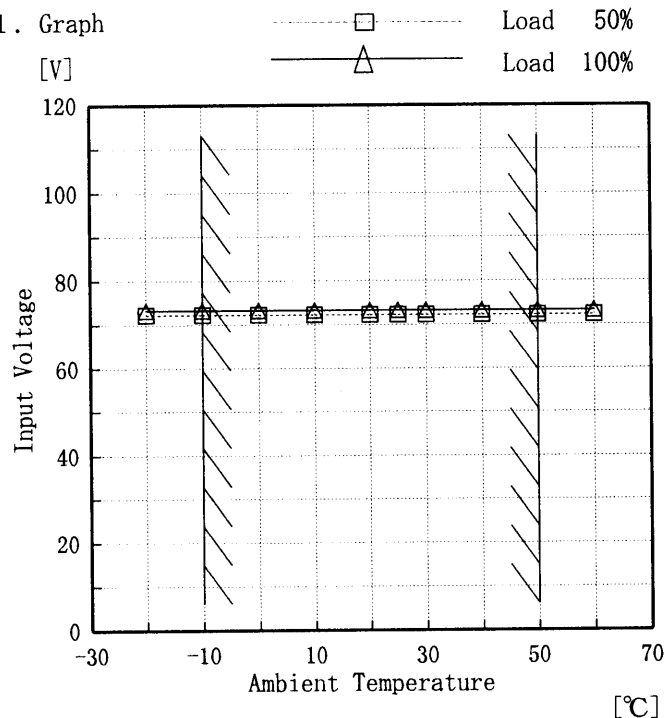
Minimum Input Voltage for Regulated Output Voltage
最低レギュレーション電圧

Object

+5V20A

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。

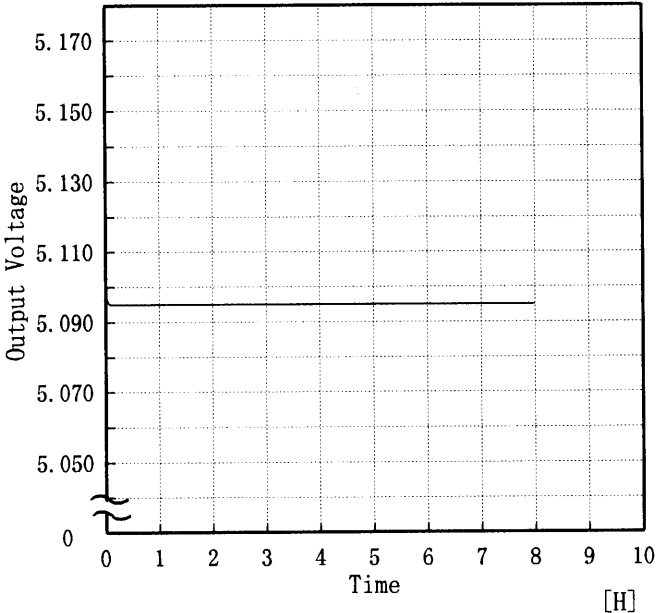
2. Values

Ambient Temp. [°C]	Load 50%	Load 100%
	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		LEA100F-5																																						
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)																																						
Object		+5V20A																																						
1. Graph		<div> <div> <div>□</div> <div>Load 50%</div> </div> <div> <div>△</div> <div>Load 100%</div> </div> </div> <div> <div> <div>[mV]</div> <div>150</div> <div>125</div> <div>100</div> <div>75</div> <div>50</div> <div>25</div> <div>0</div> </div> <div> <div>Ripple Voltage</div> <div>[-30 -10 10 30 50 70]</div> <div>Ambient Temperature</div> <div>[°C]</div> </div> </div> <div> <div>Input Volt. 200 V</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 Temp. [°C]</th><th>Load 50%</th><th>Load 100%</th></tr> <tr> <th>Ripple Output Volt. [mV]</th><th>Ripple Output Volt. [mV]</th></tr> <tr><td>-20</td><td>85</td><td>100</td></tr> <tr><td>-10</td><td>65</td><td>80</td></tr> <tr><td>0</td><td>55</td><td>65</td></tr> <tr><td>10</td><td>50</td><td>60</td></tr> <tr><td>20</td><td>45</td><td>55</td></tr> <tr><td>25</td><td>40</td><td>50</td></tr> <tr><td>30</td><td>40</td><td>45</td></tr> <tr><td>40</td><td>35</td><td>40</td></tr> <tr><td>50</td><td>35</td><td>40</td></tr> <tr><td>60</td><td>30</td><td>35</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </table>	Ambient Temp. [°C]	Load 50%	Load 100%	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]	-20	85	100	-10	65	80	0	55	65	10	50	60	20	45	55	25	40	50	30	40	45	40	35	40	50	35	40	60	30	35	—	—	—
Ambient Temp. [°C]	Load 50%	Load 100%																																						
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]																																						
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40	35	40																																						
50	35	40																																						
60	30	35																																						
—	—	—																																						

COSEL

COSEL																									
Model	LEA100F-5																								
Item	Time Lapse Drift 経時ドリフト	Temperature	25 ℃																						
Object	+5V20A	Testing Circuitry	Figure A																						
1. Graph		2.Values																							
<div><div>[V]</div><div></div><div><div>Output Voltage</div><div>Time</div><div>Input Volt. 200V</div><div>Load 100%</div></div></div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>5.099</td></tr><tr><td>0.5</td><td>5.095</td></tr><tr><td>1.0</td><td>5.095</td></tr><tr><td>2.0</td><td>5.095</td></tr><tr><td>3.0</td><td>5.095</td></tr><tr><td>4.0</td><td>5.095</td></tr><tr><td>5.0</td><td>5.095</td></tr><tr><td>6.0</td><td>5.095</td></tr><tr><td>7.0</td><td>5.095</td></tr><tr><td>8.0</td><td>5.095</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	5.099	0.5	5.095	1.0	5.095	2.0	5.095	3.0	5.095	4.0	5.095	5.0	5.095	6.0	5.095	7.0	5.095	8.0	5.095
Time since start [H]	Output Voltage [V]																								
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6.0	5.095																								
7.0	5.095																								
8.0	5.095																								

COSEL

Model		LEA100F-5	Testing Circuitry Figure A
Item		Output Voltage Accuracy 定電圧精度	
Object		+5V20A	

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 : 0.00~20.00 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 : 170~264 V

負荷電流 : 0.00~20.00 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	50	264	0.00	5.117	±14	±0.3
Minimum Voltage	-10	200	20.00	5.089		

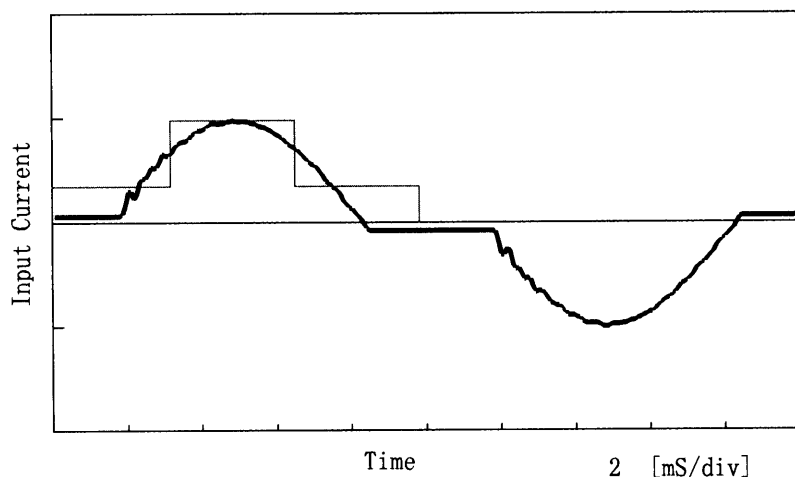
COSEL

Model	LEA100F-5	Temperature	25°C
Item	Harmonic Current 高調波電流	Testing Circuitry	Figure E
Object			

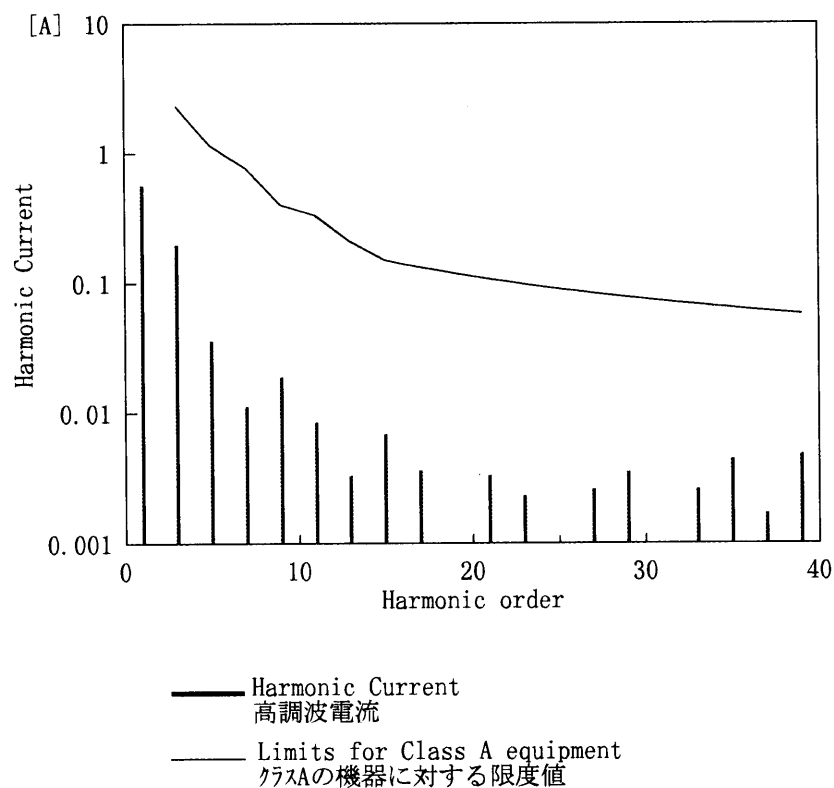
1. Input Current Waveform

— 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]	230.5
Input Current [A]	0.603
Active Power [W]	128.9
Apparent Power [VA]	139.2
Frequency [Hz]	50
Power Factor	0.926
Output Power [W]	100

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.56820
2	—	0.00060
3	2.29501	0.19830
4	—	0.00010
5	1.13753	0.03610
6	—	0.00000
7	0.76833	0.01120
8	—	0.00000
9	0.39913	0.01890
10	—	0.00010
11	0.32928	0.00850
12	—	0.00030
13	0.20954	0.00330
14	—	0.00010
15	0.14967	0.00690
16	—	0.00000
17	0.13207	0.00360
18	—	0.00010
19	0.11816	0.00060
20	—	0.00010
21	0.10691	0.00330
22	—	0.00010
23	0.09761	0.00230
24	—	0.00000
25	0.08980	0.00090
26	—	0.00000
27	0.08315	0.00260
28	—	0.00000
29	0.07742	0.00350
30	—	0.00010
31	0.07242	0.00100
32	—	0.00000
33	0.06803	0.00260
34	—	0.00000
35	0.06415	0.00440
36	—	0.00000
37	0.06068	0.00170
38	—	0.00000
39	0.05757	0.00480
40	—	0.00000

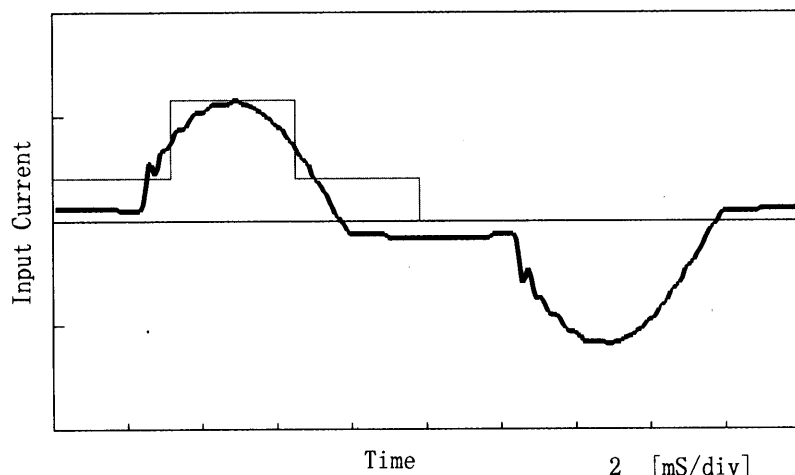
COSEL

Model	LEA100F-5	Temperature	25°C
Item	Harmonic Current 高調波電流	Testing Circuitry	Figure E
Object			

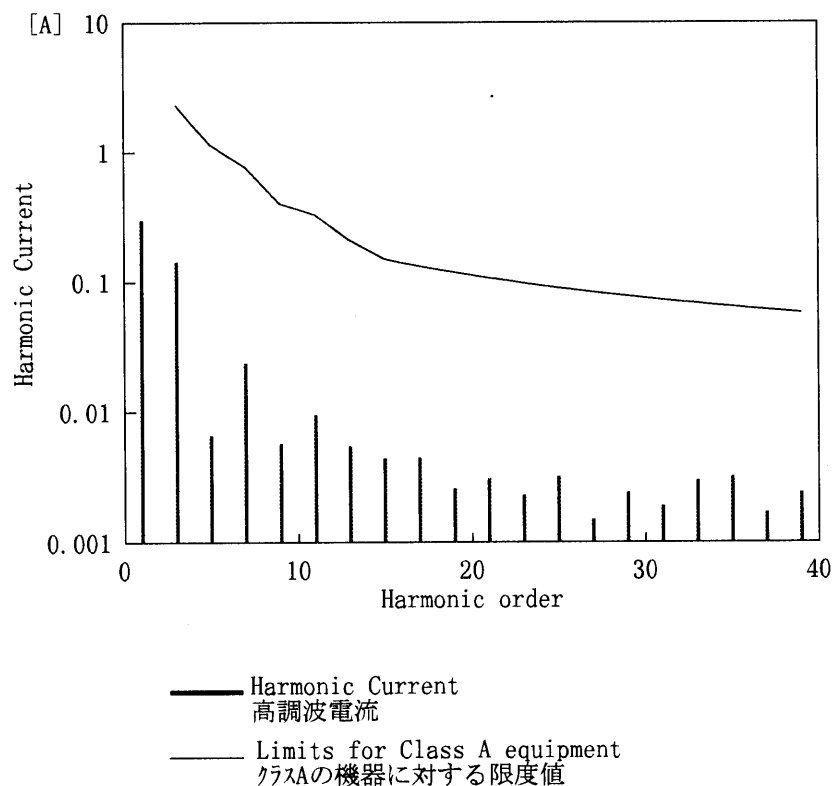
1. Input Current Waveform

— 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]	230.6
Input Current [A]	0.336
Active Power [W]	67.1
Apparent Power [VA]	77.5
Frequency [Hz]	50
Power Factor	0.866
Output Power [W]	50

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.30220
2	—	0.00060
3	2.29402	0.14300
4	—	0.00000
5	1.13703	0.00660
6	—	0.00000
7	0.76800	0.02390
8	—	0.00010
9	0.39896	0.00570
10	—	0.00030
11	0.32914	0.00950
12	—	0.00010
13	0.20945	0.00550
14	—	0.00000
15	0.14961	0.00440
16	—	0.00000
17	0.13201	0.00450
18	—	0.00030
19	0.11811	0.00260
20	—	0.00000
21	0.10686	0.00310
22	—	0.00000
23	0.09757	0.00230
24	—	0.00010
25	0.08977	0.00320
26	—	0.00010
27	0.08312	0.00150
28	—	0.00000
29	0.07738	0.00240
30	—	0.00000
31	0.07239	0.00190
32	—	0.00000
33	0.06800	0.00300
34	—	0.00010
35	0.06412	0.00320
36	—	0.00000
37	0.06065	0.00170
38	—	0.00000
39	0.05754	0.00240
40	—	0.00010

COSEL

Model		LEA100F-5	Testing Circuitry	Figure A
Item		Condensation 結露特性		
Object		+5V20A		
1. Condensation test				
Testing procedure is as follows.				
① Keeping and cooling the unit in a tank at -10℃ for an hour with the input off.				
② Taking it out of the tank and dewing itself in a room where the temperature is 25℃ and the humidity is 40%RH.				
③ Testing electrical characteristics of the unit to confirm there be no fault.				
1. 結露特性試験				
入力を切った状態で、恒温槽で-10℃に冷却しておき、約1時間後に恒温槽から取り出し、室温25℃、湿度40%RHの状態におき結露させ、その電気的特性の測定を行い、異常のないことを確認する。				
2. Values				
Item		Data	Testing Conditions	
Output Voltage [V]		5.119	Input Volt.: 200V, Load Current:20A	
Line Regulation [mV]		1	Input Volt.: 170~264V, Load Current:20A	
Load Regulation [mV]		22	Input Volt.: 200V, Load Current:0~20A	

COSEL

Model	LEA100F-5	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	0.31	0.43	0.49

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

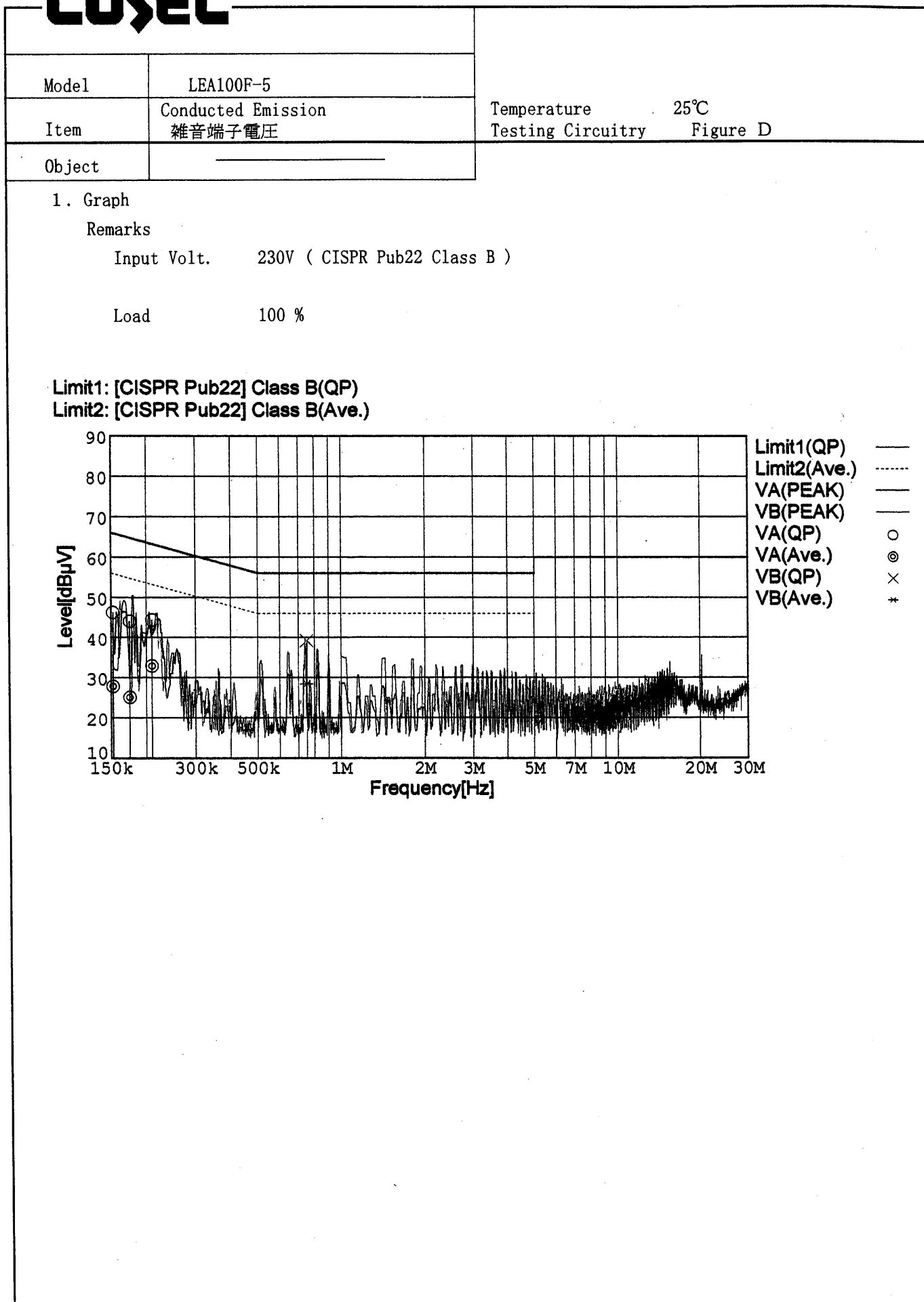
Model	LEA100F-5	Temperature 25°C Testing Circuitry Figure C
Item	Line Noise Tolerance 入力雑音耐量	
Object	+5V 20 A	

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

COSEL

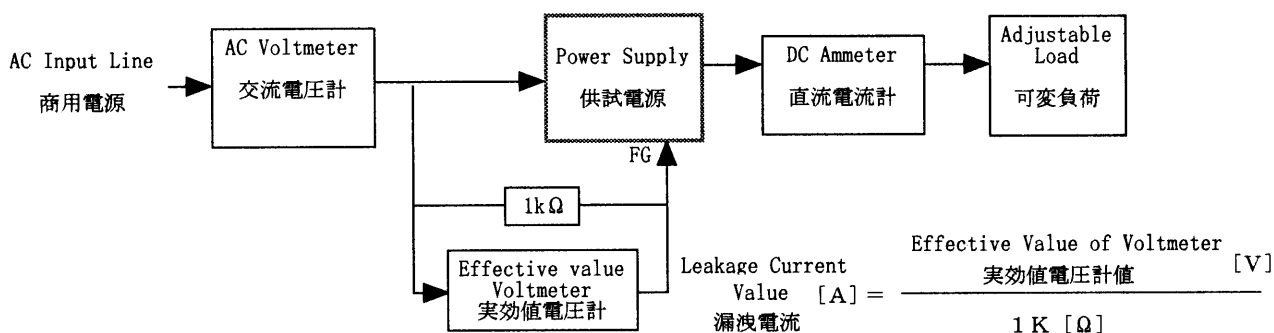
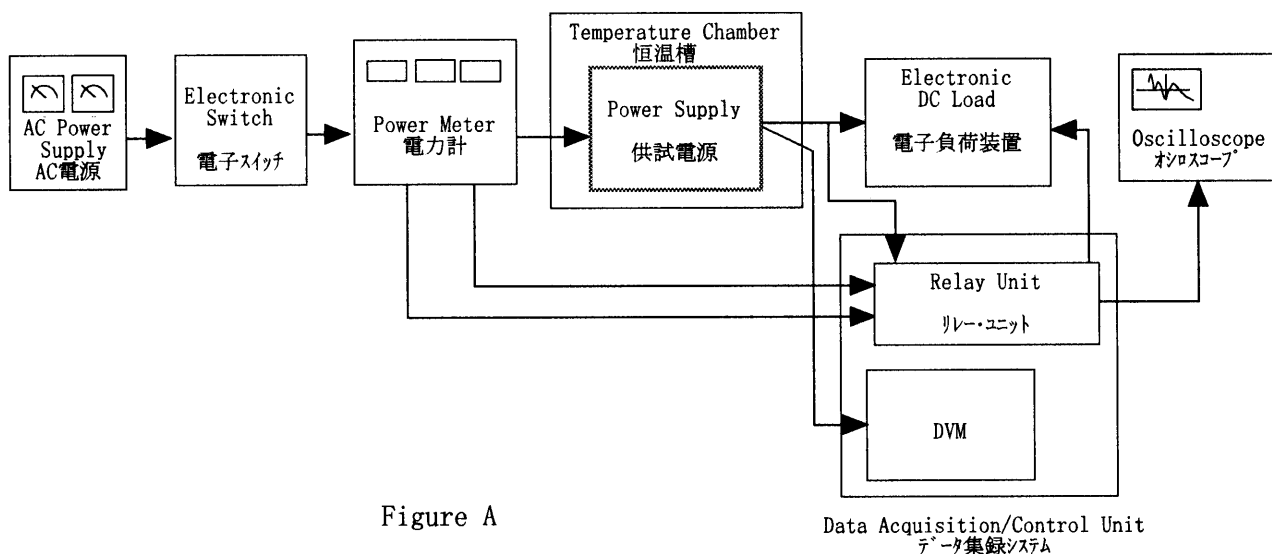


Figure B (DENTORI)

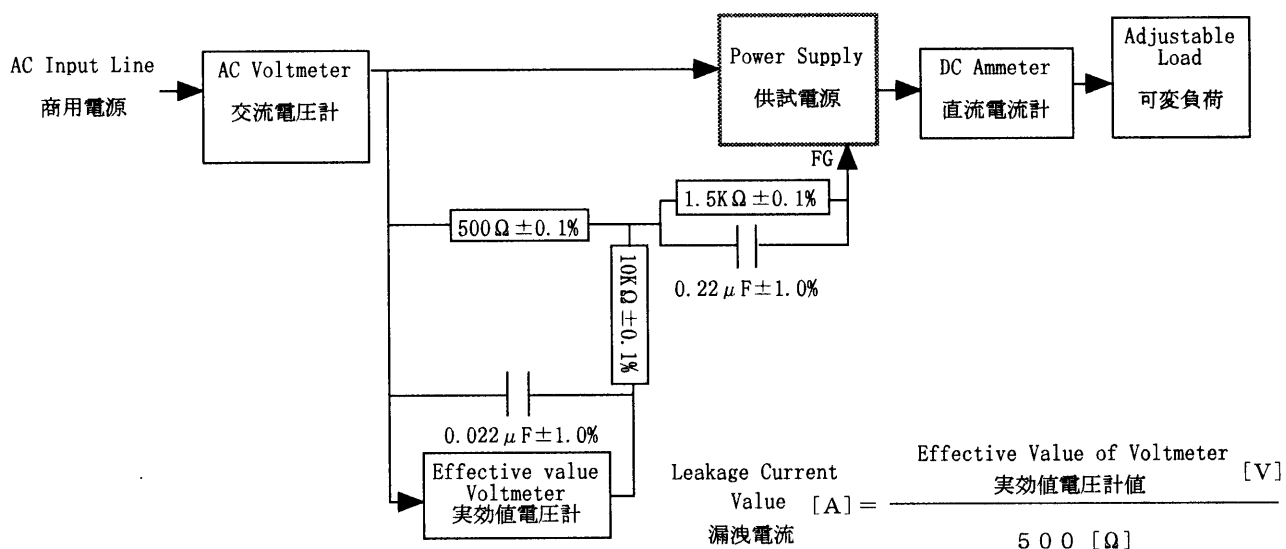


Figure B (IEC60950)

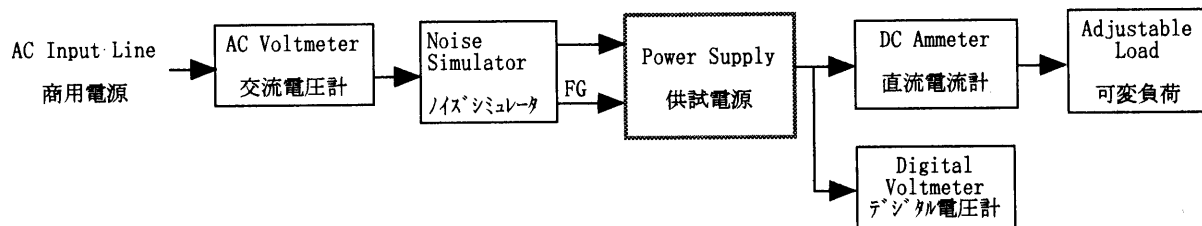


Figure C

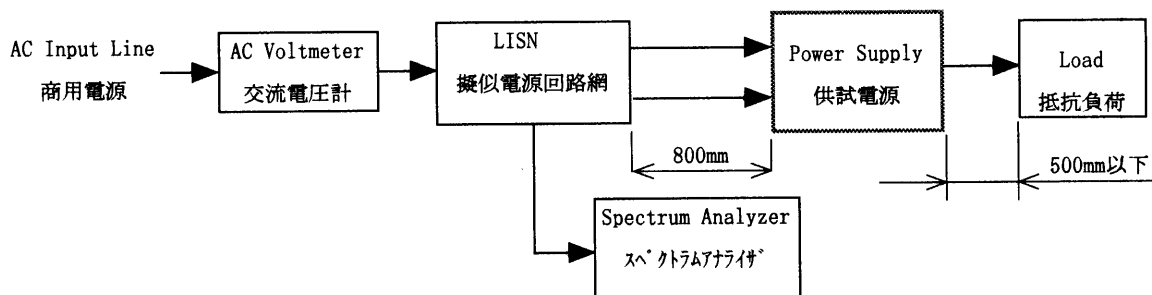


Figure D

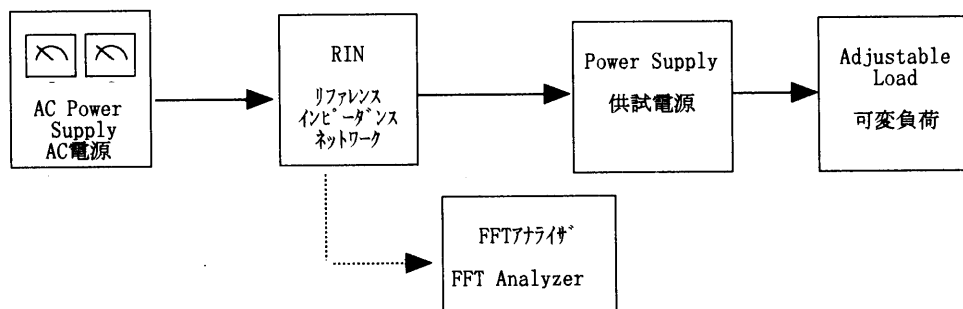


Figure E