



TEST DATA OF RMC15A-2
(100V INPUT)

Regulated DC Power Supply

Sep. 27, 1999

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Design Manager

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Design Engineer

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COSEL CO., LTD.



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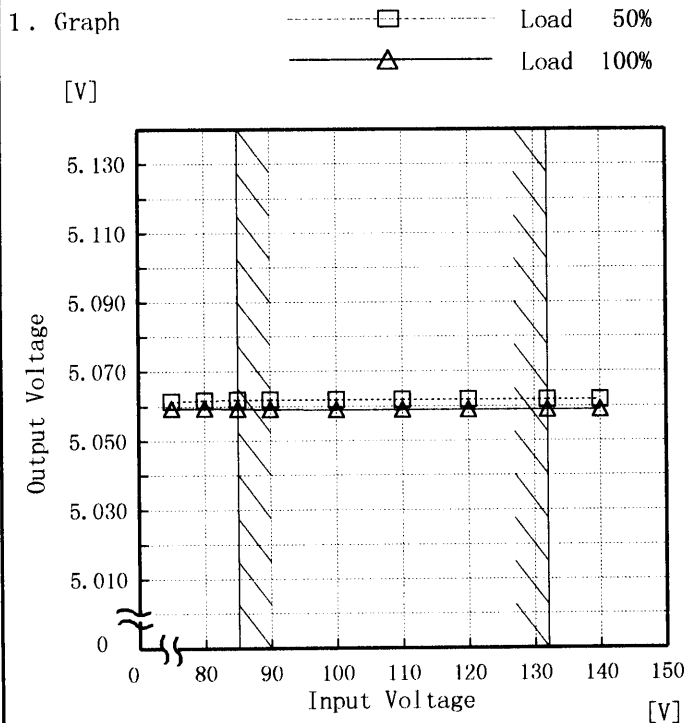
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Model	RMC15A-2
Item	Line Regulation 静の入力変動
Object	+5.0V2A

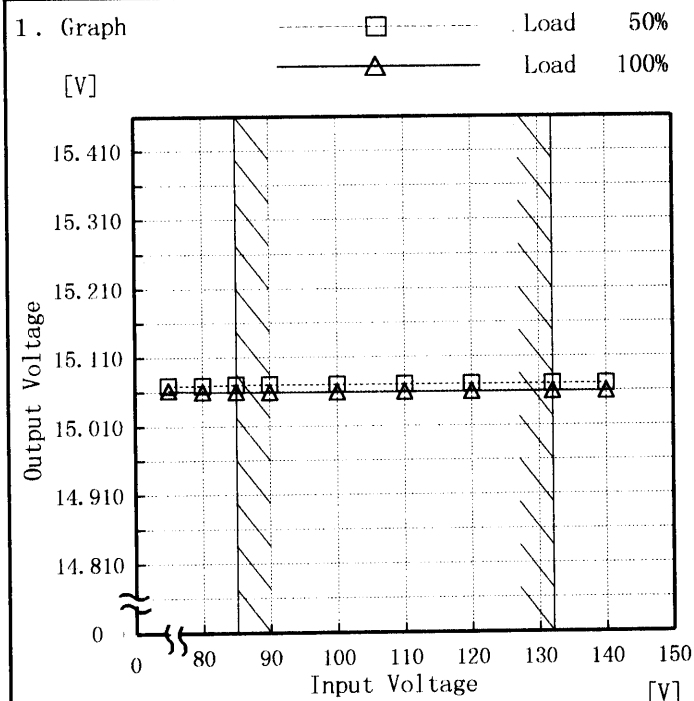
Temperature 25°C
Testing Circuitry Figure A



2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
75	5.062	5.059
80	5.062	5.059
85	5.062	5.059
90	5.062	5.059
100	5.062	5.059
110	5.062	5.059
120	5.062	5.059
132	5.062	5.059
140	5.062	5.059

Object	+15.0V0.2A
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2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
75	15.069	15.062
80	15.069	15.060
85	15.070	15.060
90	15.070	15.059
100	15.070	15.059
110	15.070	15.059
120	15.070	15.059
132	15.070	15.059
140	15.070	15.059

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。



Model		RMC15A-2	Temperature	25°C																																
Item		Line Regulation 静的入力変動	Testing Circuitry	Figure A																																
Object		-15.0V0.2A																																		
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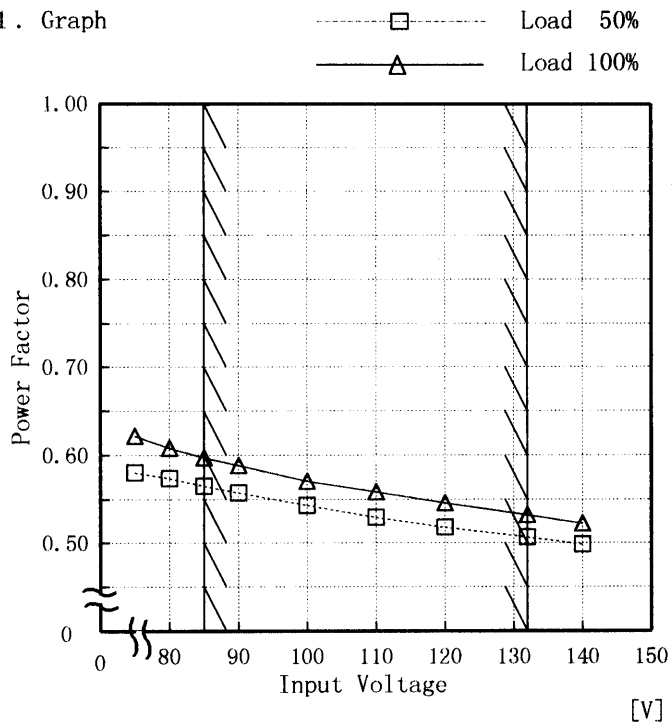


Model		RMC15A-2	Temperature		25°C																																
Item		Efficiency (by Input Voltage) 効率 (入力電圧特性)	Testing Circuitry		Figure A																																
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<p>Efficiency [%]</p> <p>Input Voltage [V]</p> <p>Legend: □ Load 50% △ Load 100%</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>62.0</td><td>63.3</td></tr> <tr><td>80</td><td>61.8</td><td>64.1</td></tr> <tr><td>85</td><td>61.8</td><td>64.6</td></tr> <tr><td>90</td><td>61.7</td><td>64.9</td></tr> <tr><td>100</td><td>61.3</td><td>65.5</td></tr> <tr><td>110</td><td>60.4</td><td>65.6</td></tr> <tr><td>120</td><td>59.7</td><td>65.7</td></tr> <tr><td>132</td><td>58.6</td><td>65.6</td></tr> <tr><td>140</td><td>57.7</td><td>65.7</td></tr> </tbody> </table>			Input Voltage [V]	Efficiency [%]		Load 50%	Load 100%	75	62.0	63.3	80	61.8	64.1	85	61.8	64.6	90	61.7	64.9	100	61.3	65.5	110	60.4	65.6	120	59.7	65.7	132	58.6	65.6	140	57.7	65.7
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Model	RMC15A-2	Temperature	25°C
Item	Power Factor (by Input Voltage) 力率 (入力電圧特性)	Testing Circuitry	Figure A

Object _____

1. Graph



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

(注)斜線は定格入力電圧範囲を示す。

2. Values

Input Voltage [V]	Power Factor	
	Load 50%	Load 100%
75	0.58	0.62
80	0.57	0.61
85	0.57	0.60
90	0.56	0.59
100	0.54	0.57
110	0.53	0.56
120	0.52	0.55
132	0.51	0.53
140	0.50	0.52



Model		RMC15A-2	Temperature	25°C																																
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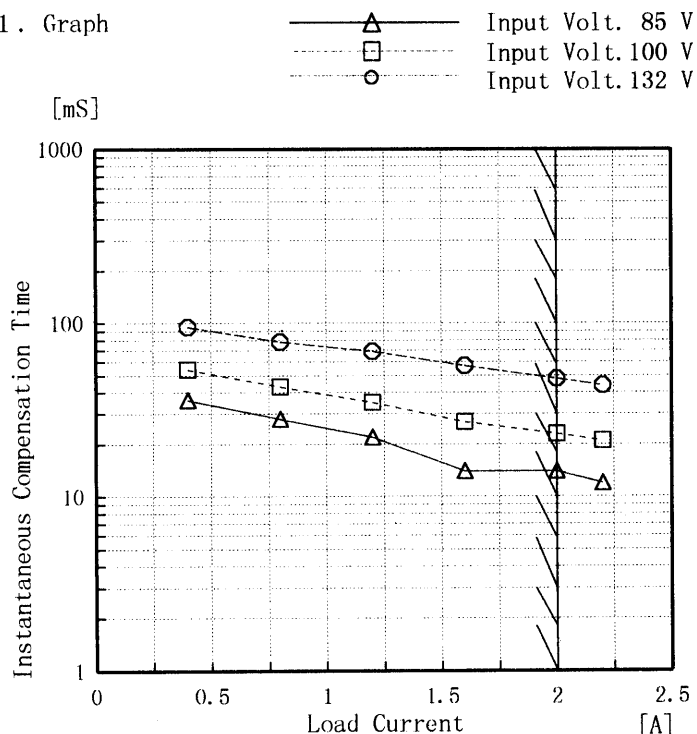
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Model	RMC15A-2
Item	Instantaneous Interruption Compensation 瞬時停電保障
Object	+5.0V2A

Temperature 25°C
Testing Circuitry Figure A

1. Graph



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。

2. Values

Load Current [A]	Time [mS]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.0	—	—	—
0.4	36	54	95
0.8	28	43	78
1.2	22	35	69
1.6	14	27	57
2.0	14	23	48
2.2	12	21	44
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—



Model		RMC15A-2	Temperature		25°C																																																			
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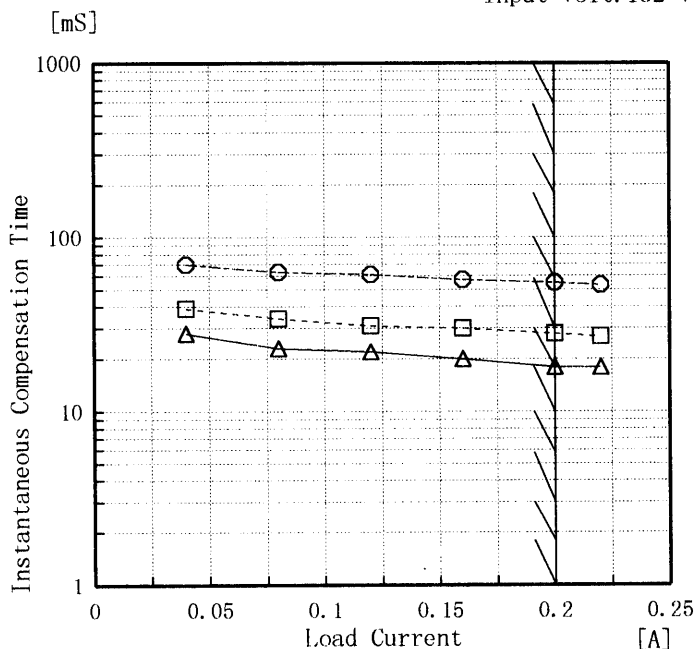


Model	RMC15A-2
Item	Instantaneous Interruption Compensation 瞬時停電保障
Object	-15.0V0.2A

Temperature 25°C
Testing Circuitry Figure A

1. Graph

- △— Input Volt. 85 V
- - -□- - - Input Volt. 100 V
- - -○- - - Input Volt. 132 V



This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.

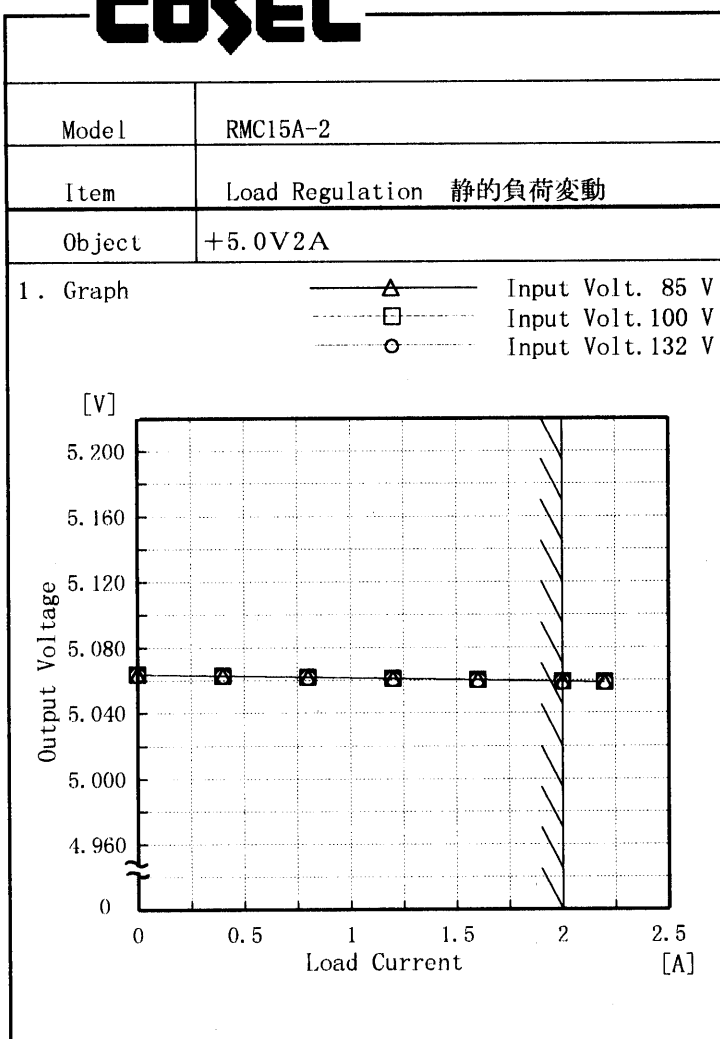
Note: Slanted line shows the range of the rated load current.

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。

2. Values

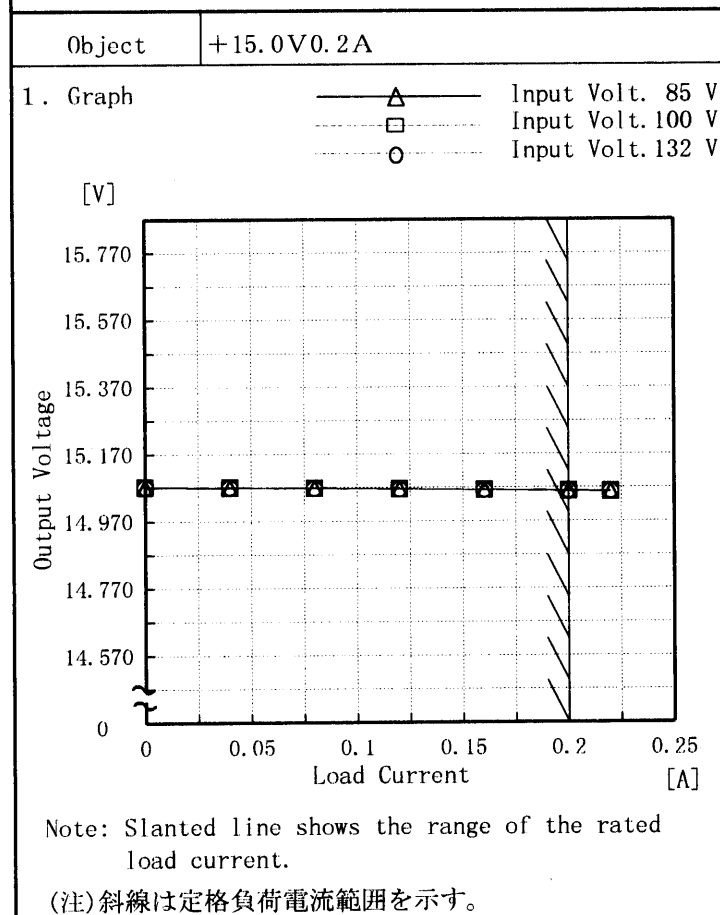
Load Current [A]	Time [mS]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.00	—	—	—
0.04	28	39	70
0.08	23	34	63
0.12	22	31	61
0.16	20	30	57
0.20	18	28	55
0.22	18	27	53
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—



Temperature 25°C
Testing Circuitry Figure A

2. Values

Load Current [A]	Output Voltage [V]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.0	5.064	5.064	5.064
0.4	5.063	5.063	5.063
0.8	5.062	5.062	5.062
1.2	5.061	5.061	5.061
1.6	5.060	5.060	5.060
2.0	5.059	5.059	5.059
2.2	5.059	5.059	5.059
-	-	-	-
-	-	-	-
-	-	-	-



2. Values

Load Current [A]	Output Voltage [V]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
0.00	15.072	15.073	15.073
0.04	15.070	15.071	15.071
0.08	15.068	15.068	15.069
0.12	15.065	15.065	15.066
0.16	15.062	15.062	15.063
0.20	15.059	15.060	15.060
0.22	15.057	15.058	15.058
-	-	-	-
-	-	-	-
-	-	-	-

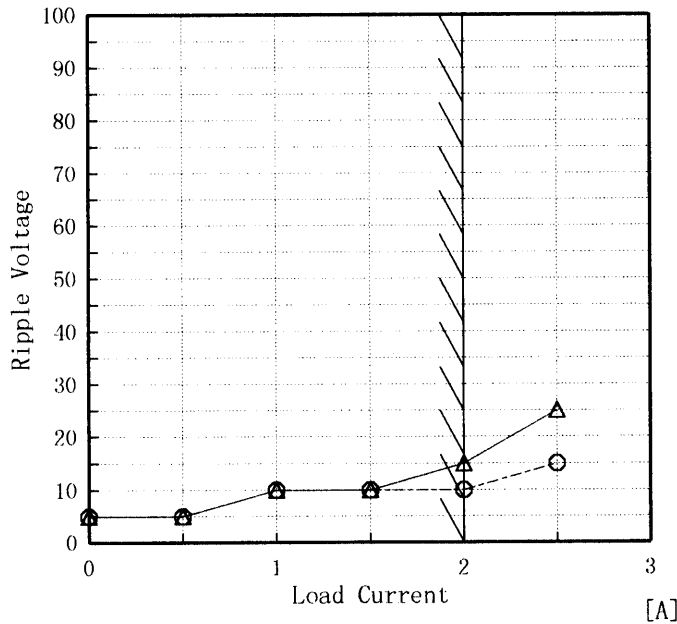


Model		RMC15A-2	Temperature		25°C																																															
Item		Load Regulation 静的負荷変動	Testing Circuitry		Figure A																																															
Object		-15.0V0.2A																																																		
1. Graph		<p> ▲ Input Volt. 85 V □ Input Volt. 100 V ○ Input Volt. 132 V </p>	2. Values																																																	
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COSEL

Model	RMC15A-2	Temperature	25°C
Item	Ripple Voltage (by Load Current) リップル電圧(負荷特性)	Testing Circuitry	Figure A
Object	+5.0V2A		

1. Graph
 [mV]
 —△— Input Volt. 85V
 - - -○- - - Input Volt. 132V



2. Values

Load Current [A]	Ripple Output Voltage [mV]	
	Input Volt. 85 [V]	Input Volt. 132 [V]
0.0	5	5
0.5	5	5
1.0	10	10
1.5	10	10
2.0	15	10
2.5	25	15
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

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

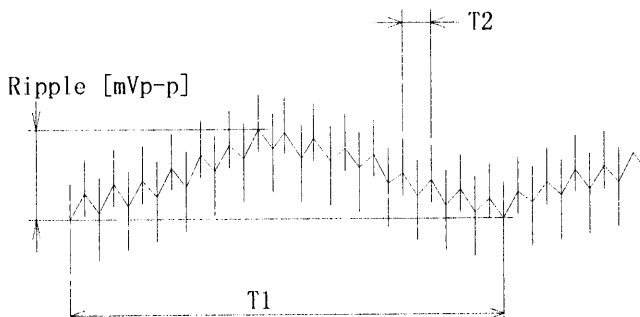


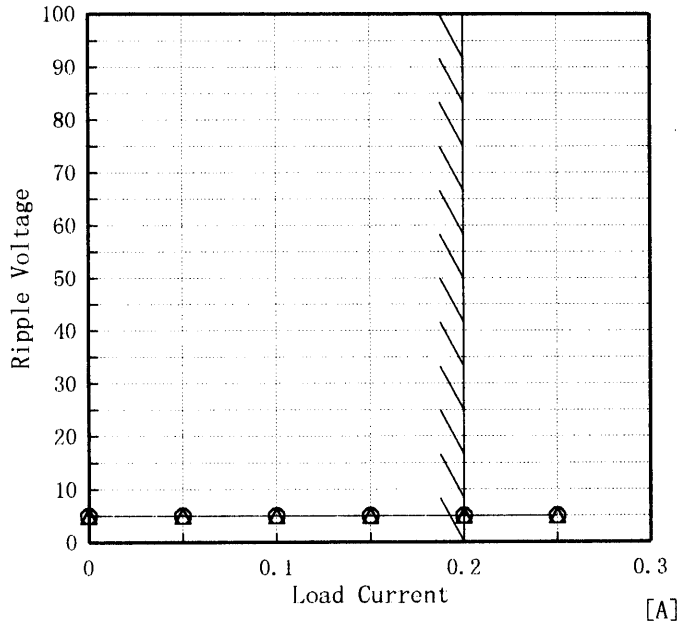
Fig. Complex Ripple Wave Form
 図 リップル波形詳細図

COSEL

Model	RMC15A-2	Temperature	25°C
Item	Ripple Voltage (by Load Current) リップル電圧(負荷特性)	Testing Circuitry	Figure A

Object +15.0V0.2A

1. Graph
 [mV]
 —△— Input Volt. 85V
 - - -○- - - Input Volt. 132V



Ripple Voltage is shown as p-p in the figure below.

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

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T1: Due to AC Input Line
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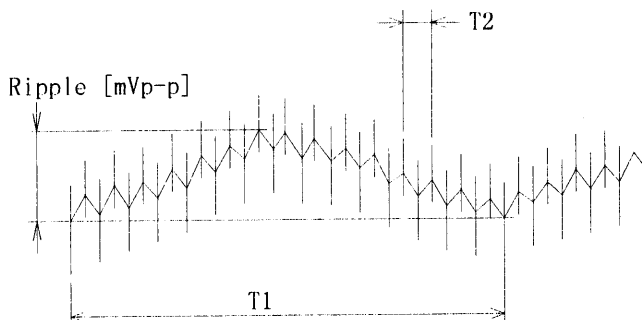


Fig. Complex Ripple Wave Form
 図 リップル波形詳細図

2. Values

Load Current [A]	Ripple Output Voltage [mV]	
	Input Volt. 85 [V]	Input Volt. 132 [V]
0.00	5	5
0.05	5	5
0.10	5	5
0.15	5	5
0.20	5	5
0.25	5	5
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—



Model		RMC15A-2	Temperature		25°C																																						
Item		Ripple Voltage (by Load Current) リップル電圧(負荷特性)	Testing Circuitry		Figure A																																						
Object		-15.0V 0.2A	2.Values																																								
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Model		RMC15A-2		Temperature	25°C
Item		Ripple-Noise リップルノイズ		Testing Circuitry	Figure A
Object		+5.0V2A			
1. Graph			□ Input Volt. 85V	2. Values	
[mV]			△ Input Volt. 132V		
<p>Ripple-Noise is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p>					
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<p>Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p>					

Load Current [A]	Ripple-Noise [mV]	
	Input Volt. 85 [V]	Input Volt. 132 [V]
0.0	10	10
0.5	10	10
1.0	15	15
1.5	15	15
2.0	20	20
2.5	35	25
—	—	—
—	—	—
—	—	—
—	—	—



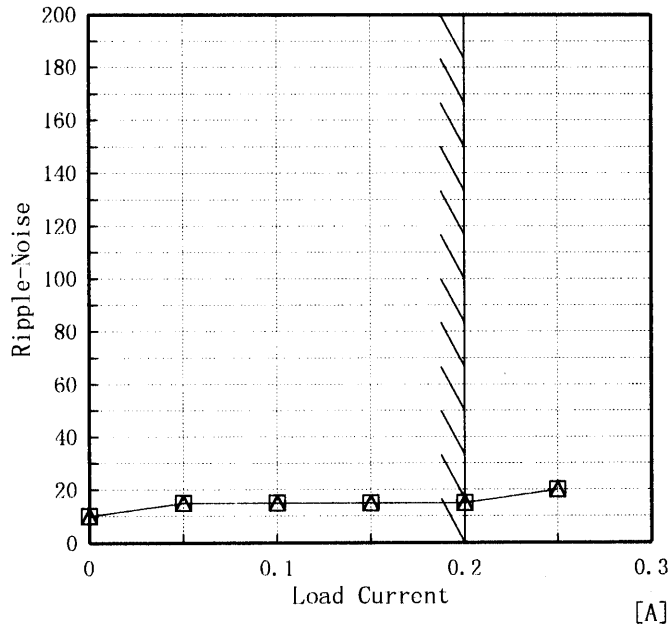
COSEL																																								
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Model	RMC15A-2
Item	Ripple-Noise リップルノイズ
Object	-15.0V0.2A

Temperature 25°C
Testing Circuitry Figure A

1. Graph
 [mV]
 □ Input Volt. 85V
 △ Input Volt. 132V



2. Values

Load Current [A]	Ripple-Noise [mV]	
	Input Volt. 85 [V]	Input Volt. 132 [V]
0.00	10	10
0.05	15	15
0.10	15	15
0.15	15	15
0.20	15	15
0.25	20	20
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

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。
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T1: Due to AC Input Line
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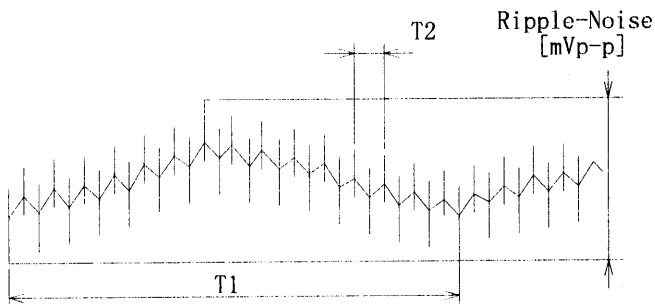


Fig. Complex Ripple Wave Form
 図 リップル波形詳細図



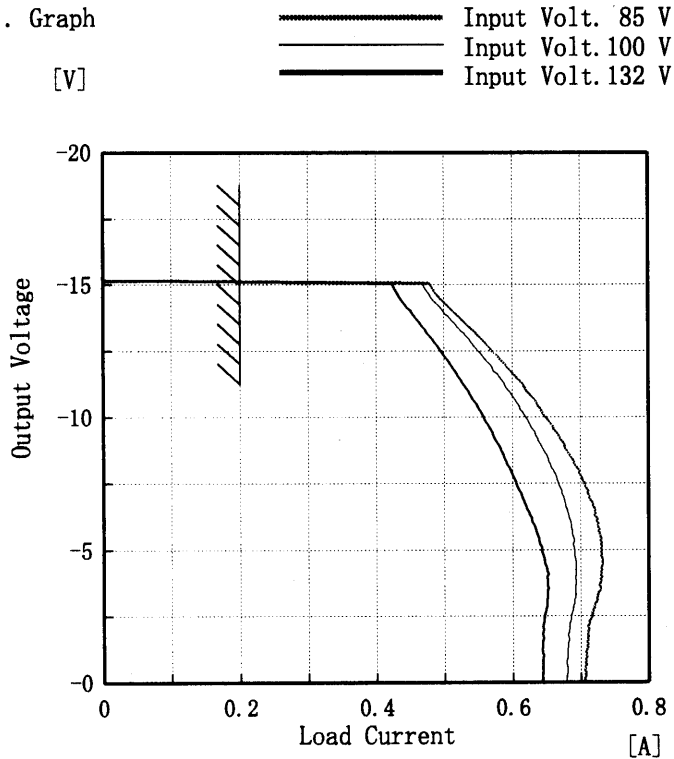
<p>Model RMC15A-2</p> <p>Item Overcurrent Protection 過電流保護</p> <p>Object +5.0V2A</p>		<p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																																							
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Model	RMC15A-2	Temperature	25°C
Item	Overcurrent Protection 過電流保護	Testing Circuitry	Figure A

Object -15.0V0.2A

1. Graph



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

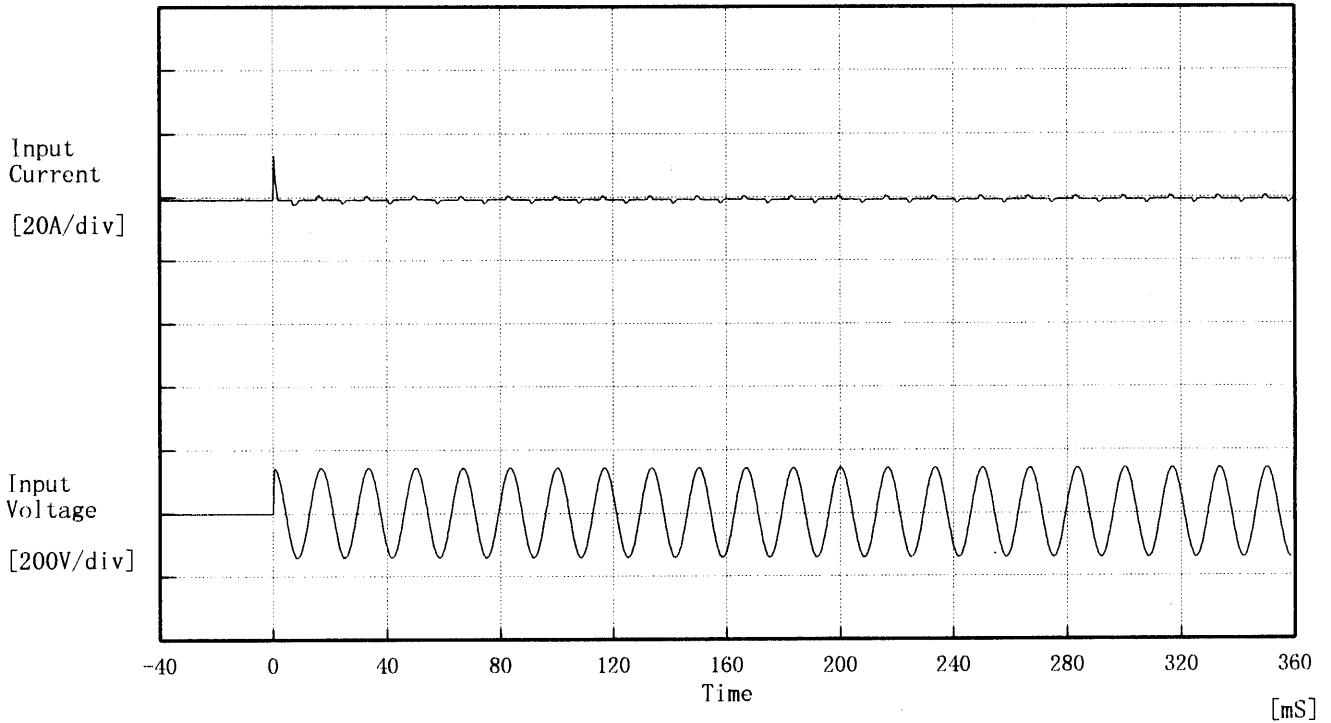
(注)斜線は定格負荷電流範囲を示す。

2. Values

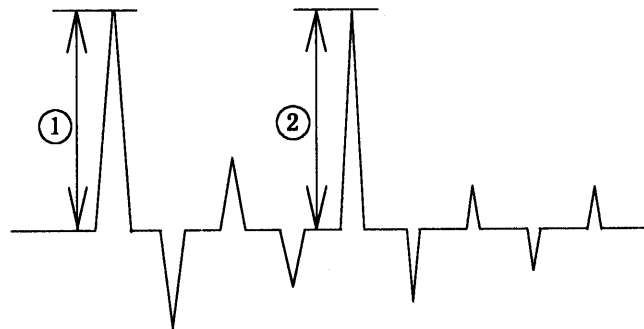
Output Voltage [V]	Load Current [A]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
-15.00	0.480	0.470	0.425
-14.25	0.502	0.489	0.441
-13.50	0.536	0.519	0.465
-12.00	0.590	0.567	0.509
-10.50	0.639	0.610	0.549
-9.00	0.676	0.641	0.579
-7.50	0.706	0.668	0.606
-6.00	0.726	0.686	0.630
-4.50	0.732	0.693	0.648
-3.00	0.720	0.689	0.650
-1.50	0.710	0.681	0.644
0.00	0.705	0.677	0.642



Model		RMC15A-2	Temperature 25°C Testing Circuitry Figure A
Item		Inrush Current 突入電流	
Object		_____	



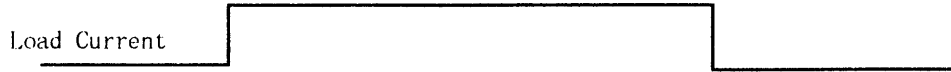
Input Voltage 100 V
 Frequency 60 Hz
 Load 100 %
 Inrush Current
 ① 13.09 [A]
 ② 1.95 [A]



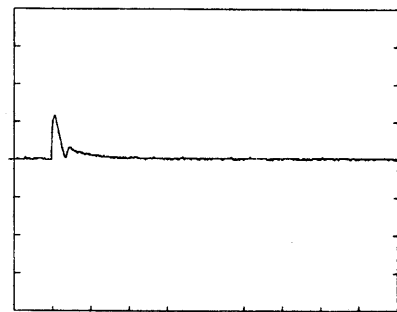
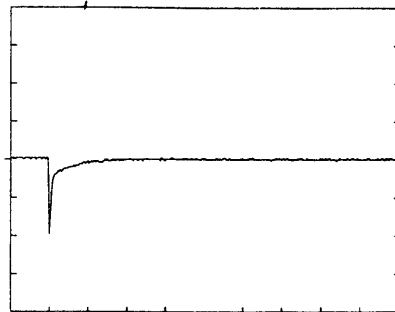


Model	RMC15A-2	Temperature	25°C
Item	Dynamic Load Responce 動的負荷変動	Testing Circuitry	Figure A
Object	+5.0V2A		

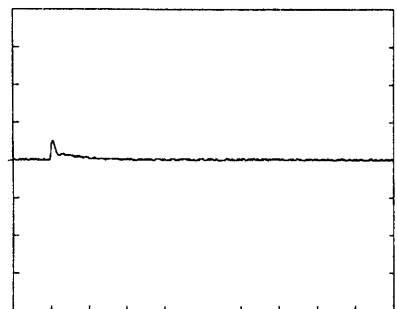
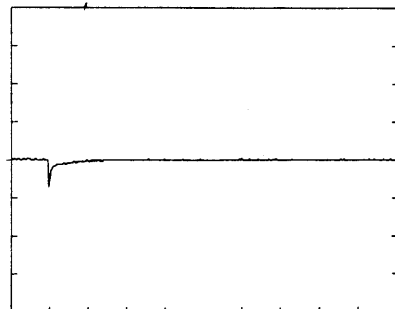
Input Volt. 100 V
Cycle 1000 mS



Load 0% ↔
Load 100 %



Load 0% ↔
Load 50 %



100 mV/div

10 mS/div



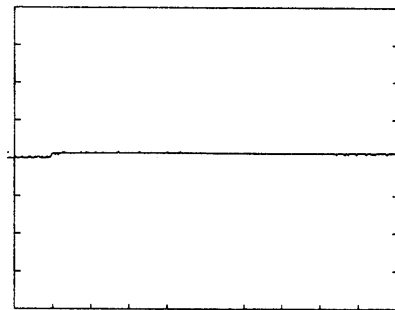
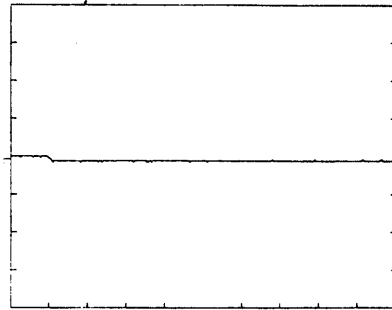
Model		RMC15A-2	Temperature		25°C
Item		Dynamic Load Responce 動的負荷変動	Testing Circuitry		Figure A
Object		+15.0V0.2A			

Input Volt. 100 V
Cycle 1000 mS

Load Current

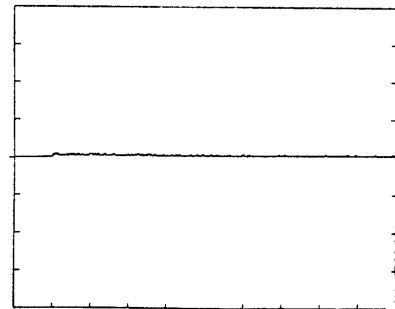
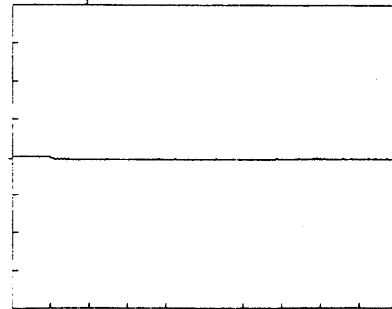
Load 0% ↔

Load 100 %



Load 0% ↔

Load 50 %



100 mV/div

10 mS/div



Model		RMC15A-2	Temperature		25°C
Item		Dynamic Load Responce 動的負荷変動	Testing Circuitry		Figure A
Object		15.0V0.2A			

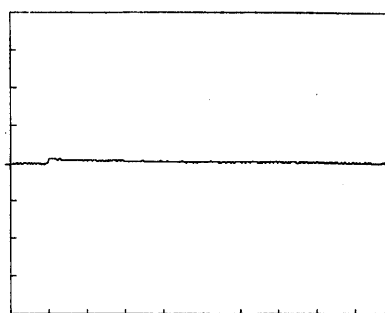
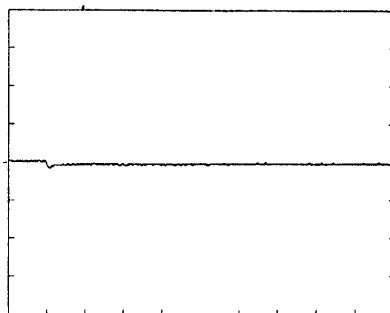
Input Volt. 100 V

Cycle 1000 mS

Load Current

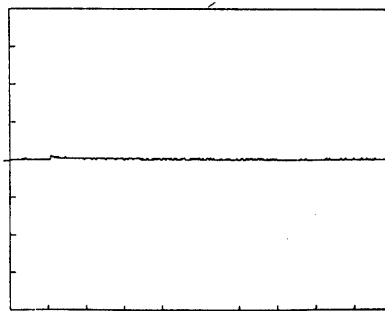
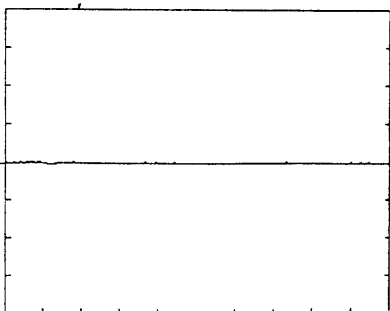
Load 0% ←→

Load 100 %



Load 0% ←→

Load 50 %



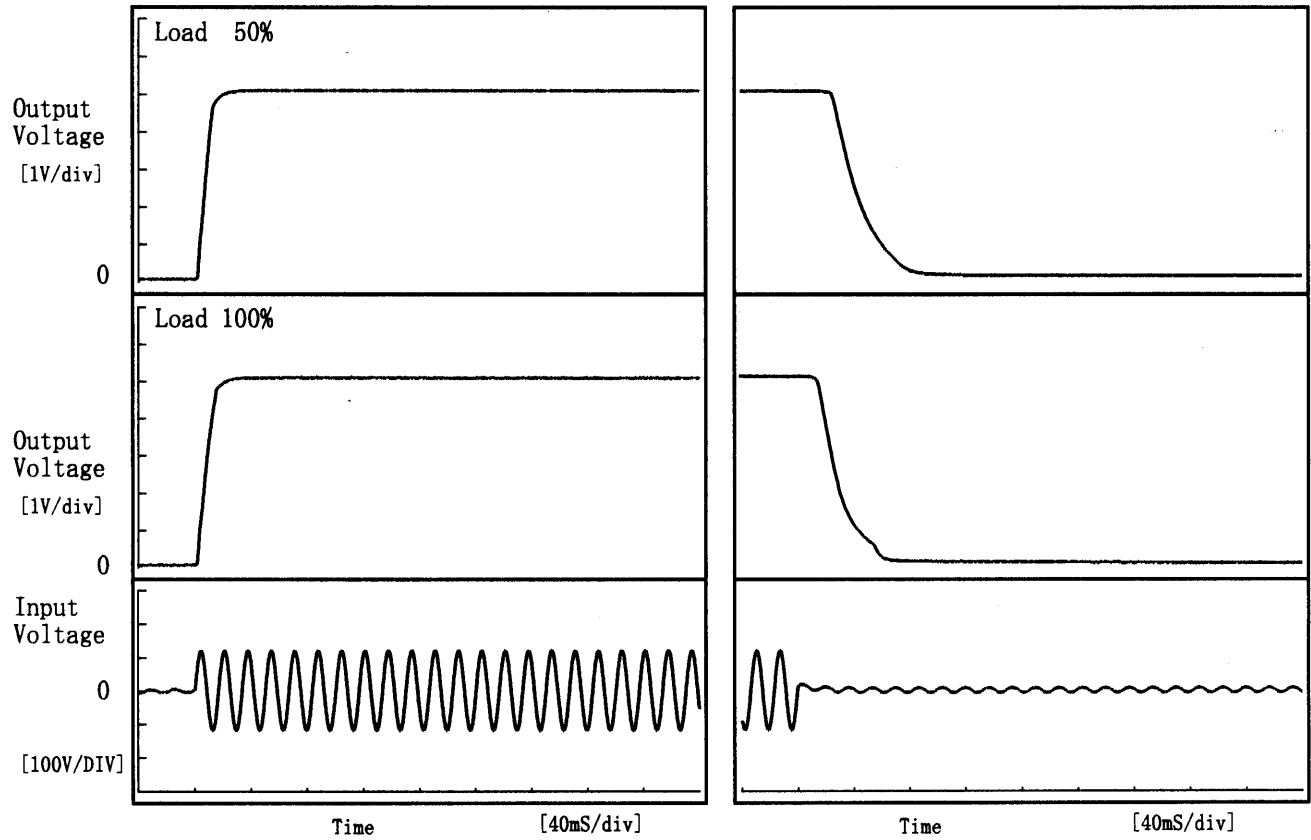
100 mV/div

10 mS/div



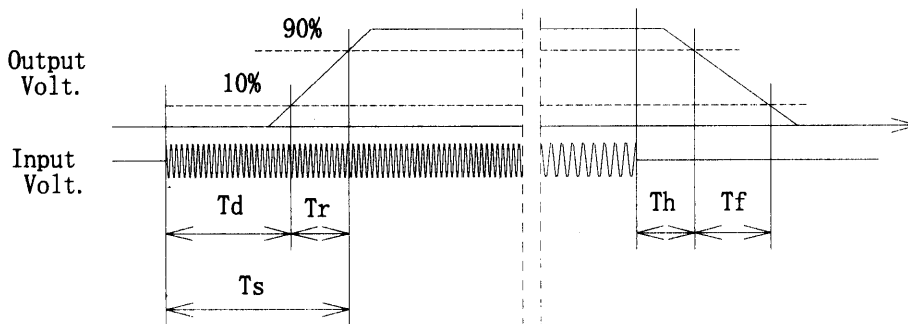
Model	RMC15A-2	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+5.0V2A		

1. Graph



2. Values

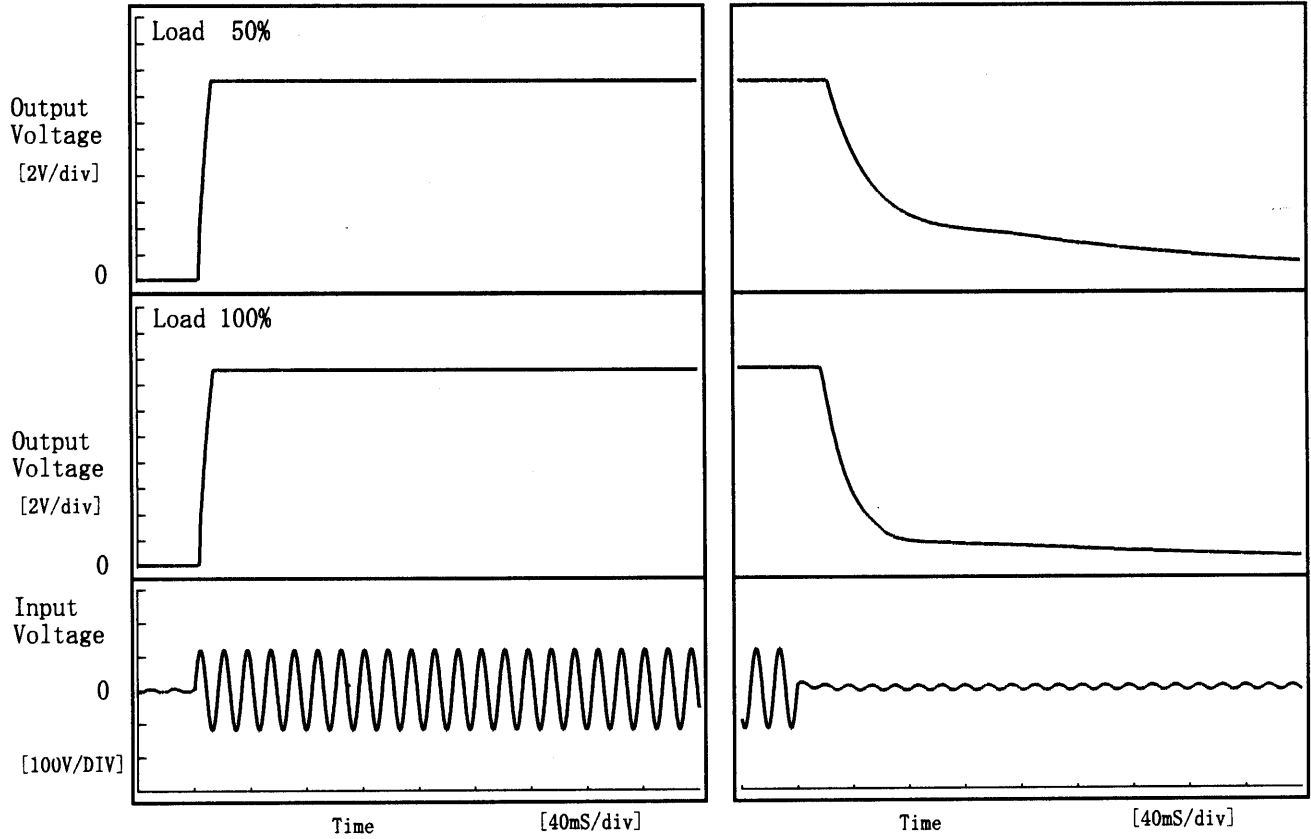
		[mS]				
Load	Time	T d	T r	T s	T h	T f
50 %		2.2	10.0	12.2	28.0	44.5
100 %		2.2	12.2	14.4	17.5	39.0





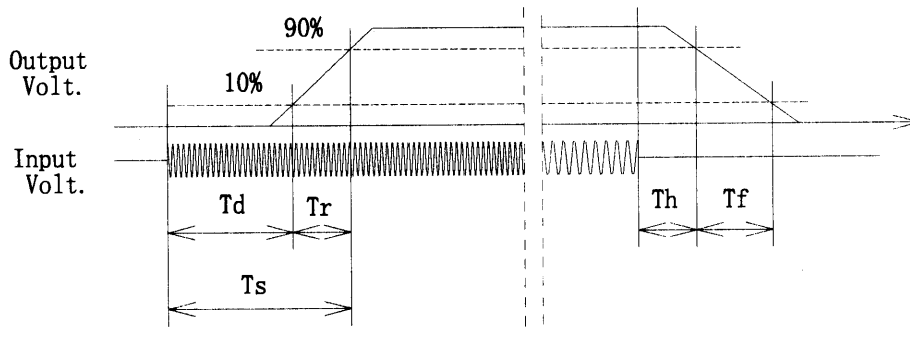
Model	RMC15A-2	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+15.0V0.2A		

1. Graph



2. Values

		[mS]				
Load	Time	T d	T r	T s	T h	T f
	50 %		3.6	7.8	11.4	27.5
100 %		4.0	8.4	12.4	21.0	120.5

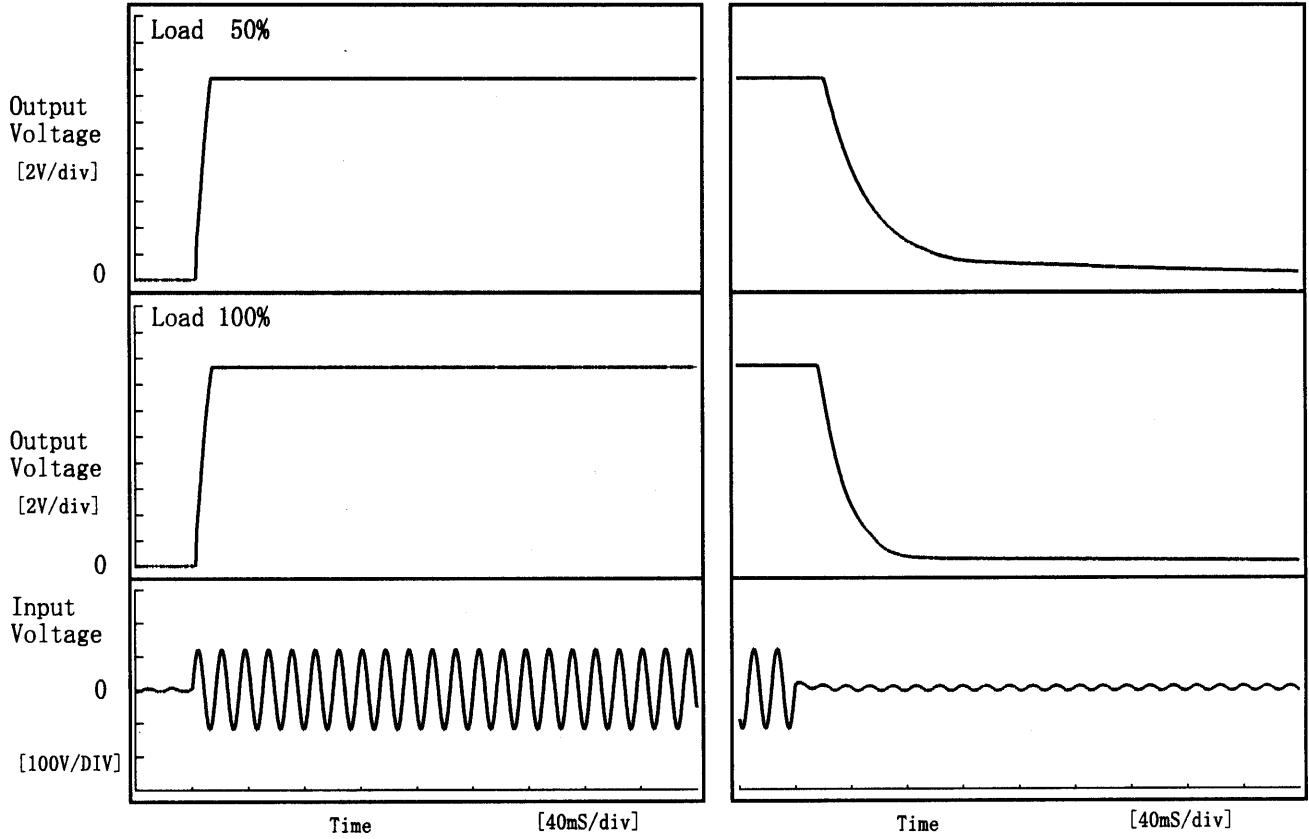




Model	RMC15A-2	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	-15.0V0.2A		

1. Graph

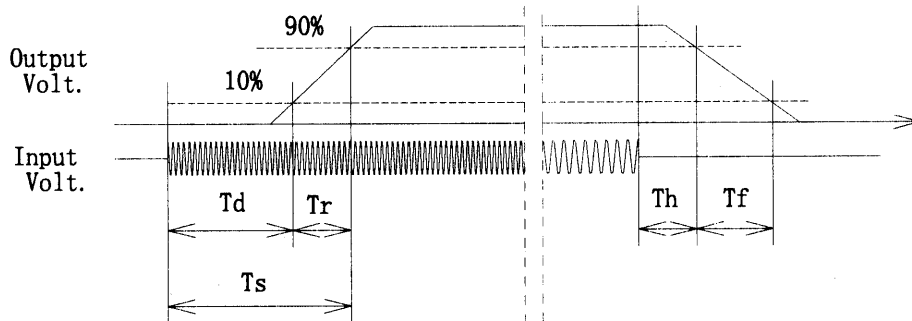
Input Volt. 85 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	3.0	8.6	11.6	26.0	97.5
100 %	2.8	9.6	12.4	20.5	42.5

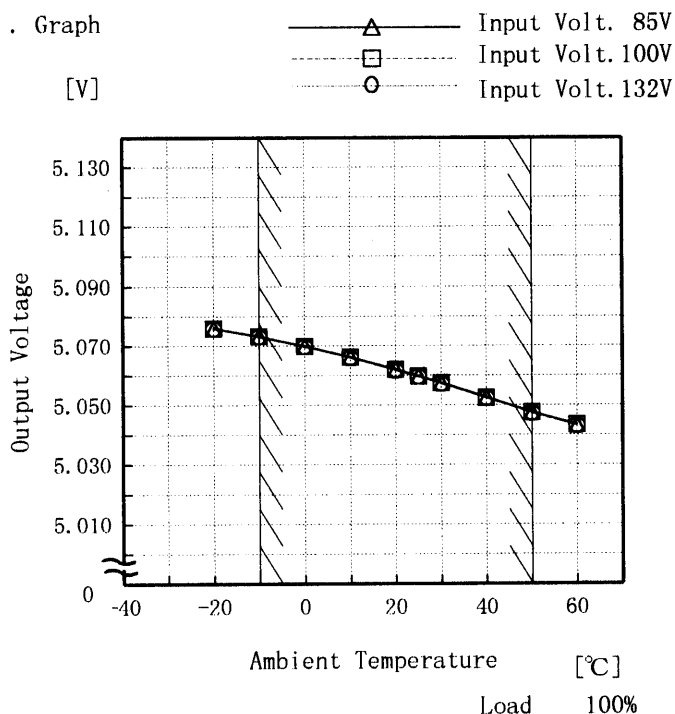




Model	RMC15A-2
Item	Ambient Temperature Drift 周囲温度変動
Object	+5.0V2A

Testing Circuitry Figure A

1. Graph

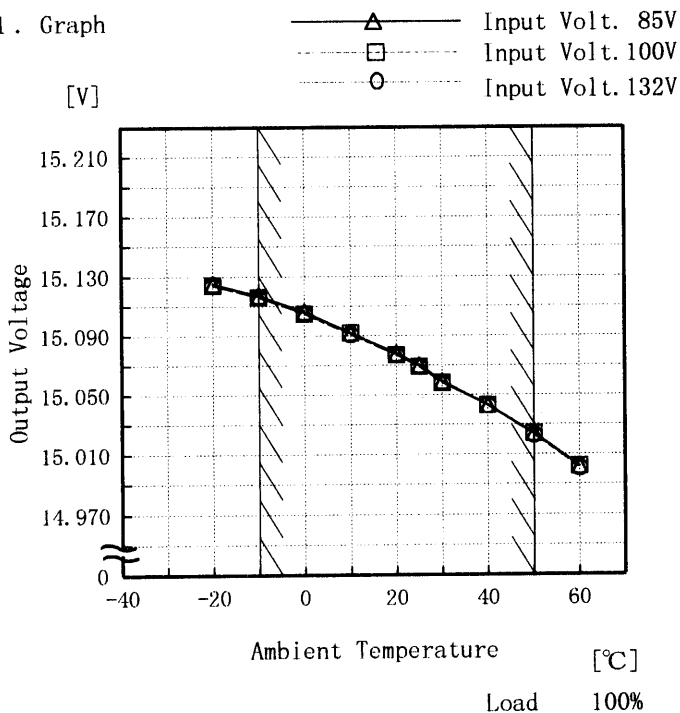


2. Values

Ambient Temperature [°C]	Output Voltage [V]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
-20	5.076	5.076	5.076
-10	5.073	5.073	5.073
0	5.070	5.070	5.070
10	5.066	5.066	5.066
20	5.062	5.062	5.062
25	5.060	5.060	5.060
30	5.058	5.058	5.057
40	5.053	5.053	5.053
50	5.048	5.048	5.048
60	5.044	5.043	5.043
-	-	-	-

Object	+15.0V0.2A
--------	------------

1. Graph



2. Values

Ambient Temperature [°C]	Output Voltage [V]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
-20	15.125	15.124	15.124
-10	15.117	15.116	15.116
0	15.106	15.105	15.105
10	15.092	15.092	15.091
20	15.078	15.077	15.077
25	15.070	15.069	15.069
30	15.059	15.058	15.058
40	15.043	15.043	15.043
50	15.024	15.024	15.023
60	15.002	15.002	15.001
-	-	-	-

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。

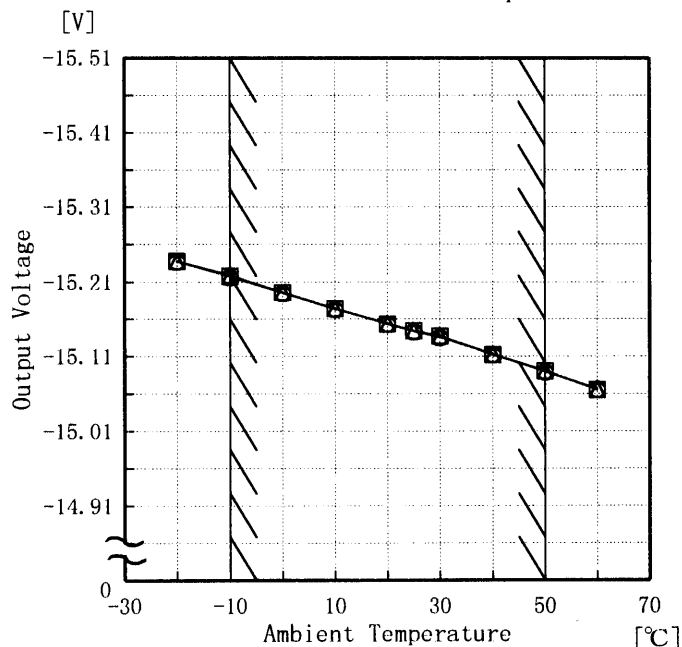


Model	RMC15A-2
Item	Ambient Temperature Drift 周囲温度変動
Object	-15.0V 0.2A

Testing Circuitry Figure A

1. Graph

- △— Input Volt. 85V
- - -□- - - Input Volt. 100V
- - -○- - - Input Volt. 132V



Load 100%

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。

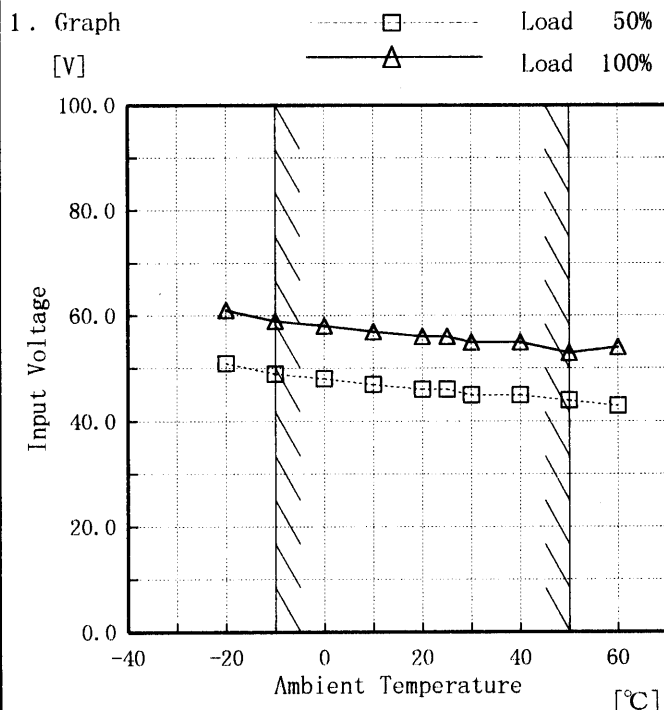
2. Values

Ambient Temperature [°C]	Output Voltage [V]		
	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]
-20	-15.238	-15.238	-15.237
-10	-15.219	-15.218	-15.217
0	-15.196	-15.196	-15.195
10	-15.174	-15.174	-15.173
20	-15.154	-15.153	-15.153
25	-15.144	-15.144	-15.143
30	-15.137	-15.137	-15.135
40	-15.113	-15.112	-15.112
50	-15.090	-15.090	-15.089
60	-15.066	-15.065	-15.065
—	—	—	—



Model	RMC15A-2
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+5.0V2A

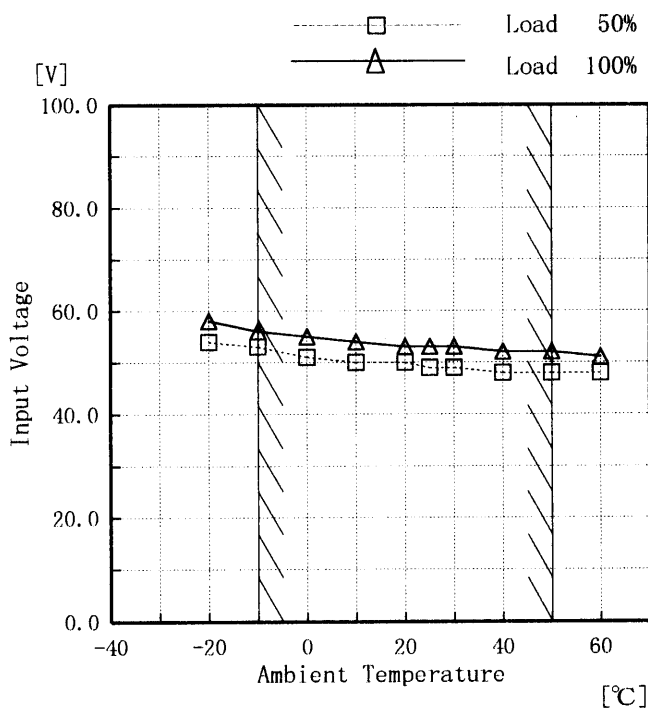
Testing Circuitry Figure A



2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	51	61
-10	49	59
0	48	58
10	47	57
20	46	56
25	46	56
30	45	55
40	45	55
50	44	53
60	43	54
—	—	—

Object	+15.0V0.2A
--------	------------



2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	54	58
-10	53	56
0	51	55
10	50	54
20	50	53
25	49	53
30	49	53
40	48	52
50	48	52
60	48	51
—	—	—

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

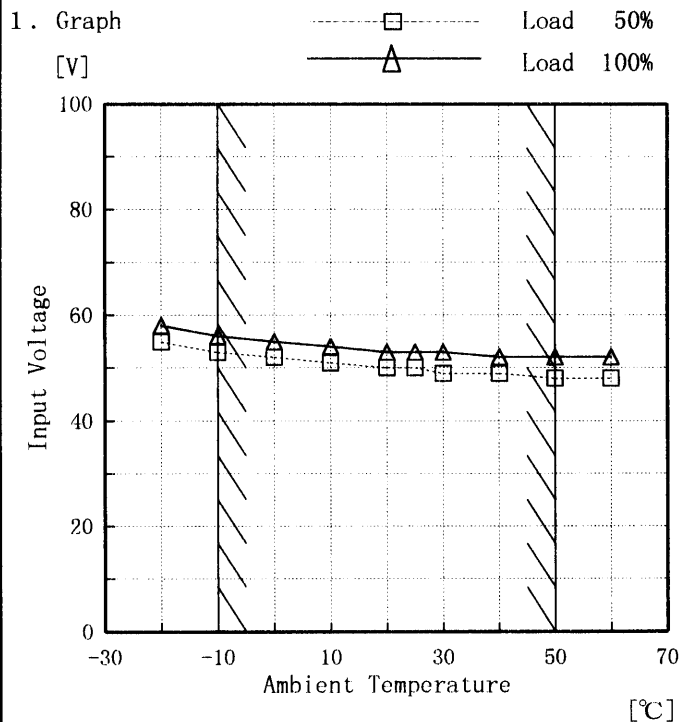
(注)斜線は定格周囲温度範囲を示す。



Model	RMC15A-2
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧

Testing Circuitry Figure A

Object +-15.0V0.2A



2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	55	58
-10	53	56
0	52	55
10	51	54
20	50	53
25	50	53
30	49	53
40	49	52
50	48	52
60	48	52
—	—	—

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

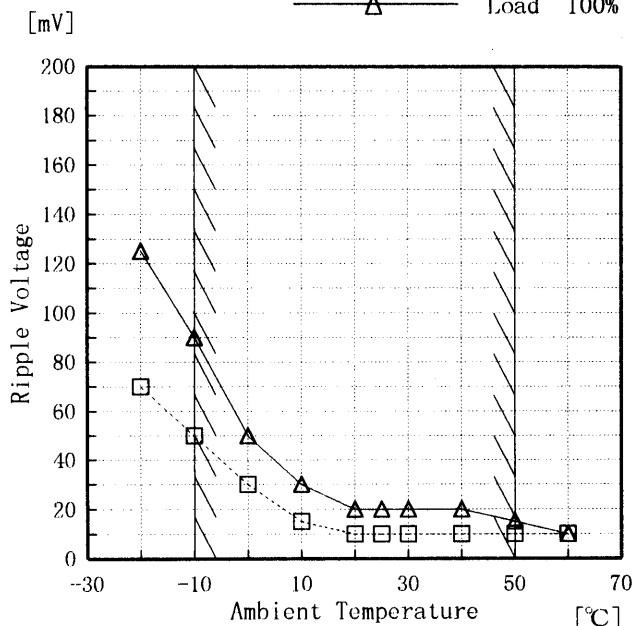
(注) 斜線は定格周囲温度範囲を示す。



Model	RMC15A-2
Item	Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)
Object	+5.0V2A

Testing Circuitry Figure A

1. Graph
 [mV]
 ---□--- Load 50%
 ---△--- Load 100%



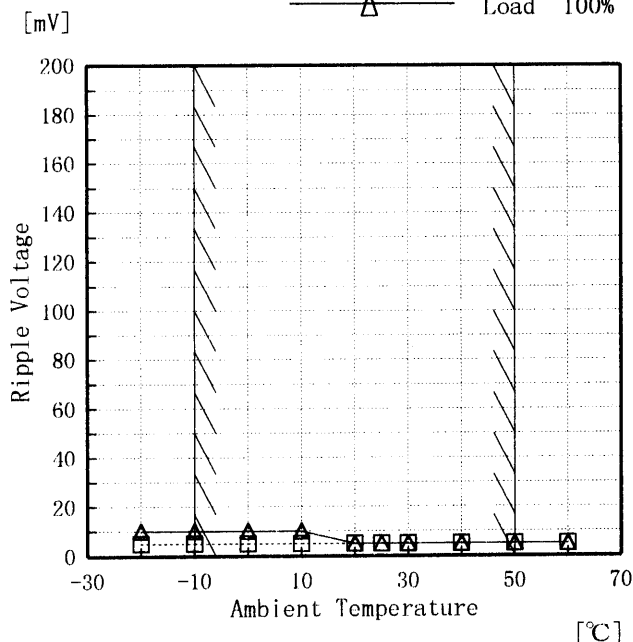
Input Volt. 100 V

2. Values

Ambient Temperature [°C]	Ripple Output Voltage [mV]	
	Load 50%	Load 100%
-20	70	125
-10	50	90
0	30	50
10	15	30
20	10	20
25	10	20
30	10	20
40	10	20
50	10	15
60	10	10
—	—	—

Object	+15.0V0.2A
--------	------------

1. Graph
 [mV]
 ---□--- Load 50%
 ---△--- Load 100%



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。

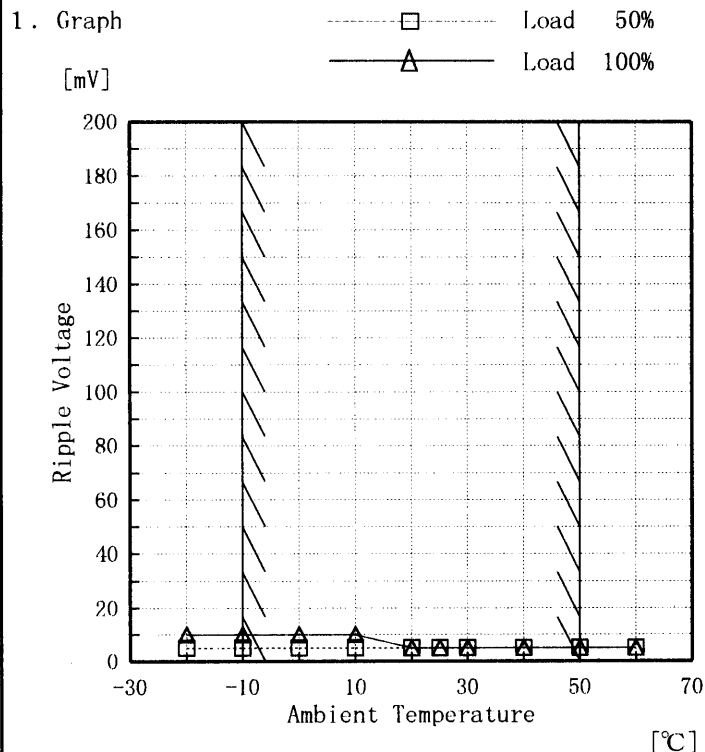
2. Values

Ambient Temperature [°C]	Ripple Output Voltage [mV]	
	Load 50%	Load 100%
-20	5	10
-10	5	10
0	5	10
10	5	10
20	5	5
25	5	5
30	5	5
40	5	5
50	5	5
60	5	5
—	—	—



Model	RMC15A-2
Item	Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)
Object	-15.0V0.2A

Testing Circuitry Figure A



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]	Ripple Output Voltage [mV]	
	Load 50%	Load 100%
-20	5	10
-10	5	10
0	5	10
10	5	10
20	5	5
25	5	5
30	5	5
40	5	5
50	5	5
60	5	5
—	—	—



COSEL																									
Model	RMC15A-2	Temperature	25°C																						
Item	Time Lapse Drift 経時ドリフト	Testing Circuitry	Figure A																						
Object	+5.0V2A																								
<p>1. Graph</p> <p style="text-align: center;">Time [H]</p> <p>Input Volt. 100V Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>5.063</td></tr> <tr><td>0.5</td><td>5.061</td></tr> <tr><td>1.0</td><td>5.061</td></tr> <tr><td>2.0</td><td>5.061</td></tr> <tr><td>3.0</td><td>5.061</td></tr> <tr><td>4.0</td><td>5.061</td></tr> <tr><td>5.0</td><td>5.061</td></tr> <tr><td>6.0</td><td>5.061</td></tr> <tr><td>7.0</td><td>5.061</td></tr> <tr><td>8.0</td><td>5.061</td></tr> </tbody> </table>		Time since start [H]	Output Voltage [V]	0.0	5.063	0.5	5.061	1.0	5.061	2.0	5.061	3.0	5.061	4.0	5.061	5.0	5.061	6.0	5.061	7.0	5.061	8.0	5.061
Time since start [H]	Output Voltage [V]																								
0.0	5.063																								
0.5	5.061																								
1.0	5.061																								
2.0	5.061																								
3.0	5.061																								
4.0	5.061																								
5.0	5.061																								
6.0	5.061																								
7.0	5.061																								
8.0	5.061																								
Object	+15.0V0.2A																								
<p>1. Graph</p> <p style="text-align: center;">Time [H]</p> <p>Input Volt. 100V Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>15.080</td></tr> <tr><td>0.5</td><td>15.055</td></tr> <tr><td>1.0</td><td>15.055</td></tr> <tr><td>2.0</td><td>15.055</td></tr> <tr><td>3.0</td><td>15.055</td></tr> <tr><td>4.0</td><td>15.055</td></tr> <tr><td>5.0</td><td>15.055</td></tr> <tr><td>6.0</td><td>15.055</td></tr> <tr><td>7.0</td><td>15.055</td></tr> <tr><td>8.0</td><td>15.055</td></tr> </tbody> </table>		Time since start [H]	Output Voltage [V]	0.0	15.080	0.5	15.055	1.0	15.055	2.0	15.055	3.0	15.055	4.0	15.055	5.0	15.055	6.0	15.055	7.0	15.055	8.0	15.055
Time since start [H]	Output Voltage [V]																								
0.0	15.080																								
0.5	15.055																								
1.0	15.055																								
2.0	15.055																								
3.0	15.055																								
4.0	15.055																								
5.0	15.055																								
6.0	15.055																								
7.0	15.055																								
8.0	15.055																								



COSEL																								
Model	RMC15A-2																							
Item	Time Lapse Drift 経時ドリフト	Temperature 25°C Testing Circuitry Figure A																						
Object	-15.0V0.2A																							
<p>1. Graph</p> <p>[V]</p> <p>Output Voltage</p> <p>Time [H]</p> <p>Input Volt. 100V Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>-15.192</td></tr> <tr><td>0.5</td><td>-15.162</td></tr> <tr><td>1.0</td><td>-15.162</td></tr> <tr><td>2.0</td><td>-15.162</td></tr> <tr><td>3.0</td><td>-15.162</td></tr> <tr><td>4.0</td><td>-15.162</td></tr> <tr><td>5.0</td><td>-15.162</td></tr> <tr><td>6.0</td><td>-15.162</td></tr> <tr><td>7.0</td><td>-15.162</td></tr> <tr><td>8.0</td><td>-15.162</td></tr> </tbody> </table>	Time since start [H]	Output Voltage [V]	0.0	-15.192	0.5	-15.162	1.0	-15.162	2.0	-15.162	3.0	-15.162	4.0	-15.162	5.0	-15.162	6.0	-15.162	7.0	-15.162	8.0	-15.162
Time since start [H]	Output Voltage [V]																							
0.0	-15.192																							
0.5	-15.162																							
1.0	-15.162																							
2.0	-15.162																							
3.0	-15.162																							
4.0	-15.162																							
5.0	-15.162																							
6.0	-15.162																							
7.0	-15.162																							
8.0	-15.162																							



Model		RMC15A-2	Testing Circuitry Figure A
Item	Output Voltage Accuracy 定電圧精度		

1. Output Voltage Accuracy

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

Temperature : -10~50 °C

Input Voltage : 85~132 V

Load Current (AVR 1) : 0~2 A (AVR 2) : 0~0.2 A (AVR 3) : 0~0.2 A

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

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

1. 定電圧精度

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

周囲温度 -10~50 °C

入力電圧 85~132 V

負荷電流 (AVR 1) : 0~2 A (AVR 2) : 0~0.2 A (AVR 3) : 0~0.2 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) = $\frac{\text{変動値}}{\text{定格出力電圧}} \times 100$

2. Values

Object	+5.0V2A					
Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	-10	85	0	5.078	±16	±0.4
Minimum Voltage	50	100	2	5.047		

Object	+15.0V0.2A					
Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	-10	85	0.0	15.128	±58	±0.4
Minimum Voltage	50	100	0.2	15.012		

Object	-15.0V0.2A					
Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	-10	85	0.0	-15.225	±70	±0.5
Minimum Voltage	50	132	0.2	-15.086		



COSEL		Testing Circuitry Figure A
Model	RMC15A-2	
Item	Condensation 結露特性	

1. Condensation test

Testing procedure is as follows.

- ① Keeping and cooling the unit in a tank at -10°C 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°C 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°C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°C、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

Object	+5.0V2A
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Item	Data	Testing Conditions
Output Voltage [V]	5.059	Input Volt.: 100V, Load Current:2A
Line Regulation [mV]	1	Input Volt.: 85~132V, Load Current:2A
Load Regulation [mV]	5	Input Volt.: 100V, Load Current:0~2A

Object	+15.0V0.2A
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Item	Data	Testing Conditions
Output Voltage [V]	15.059	Input Volt.: 100V, Load Current:0.2A
Line Regulation [mV]	1	Input Volt.: 85~132V, Load Current:0.2A
Load Regulation [mV]	13	Input Volt.: 100V, Load Current:0~0.2A

Object	-15.0V0.2A
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Item	Data	Testing Conditions
Output Voltage [V]	-15.139	Input Volt.: 100V, Load Current:0.2A
Line Regulation [mV]	1	Input Volt.: 85~132V, Load Current:0.2A
Load Regulation [mV]	5	Input Volt.: 100V, Load Current:0~0.2A



Model		RMC15A-2	Temperature 25°C Testing Circuitry Figure B
Item		Leakage Current 漏洩電流	
Object		_____	

1. Results

Standards	Leakage Current [mA]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
(A) DENTORI	0.11	0.13	0.18
(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。



Model	RMC15A-2
Item	Conducted Emission 雑音端子電圧
Object	_____

Testing Circuitry Figure D

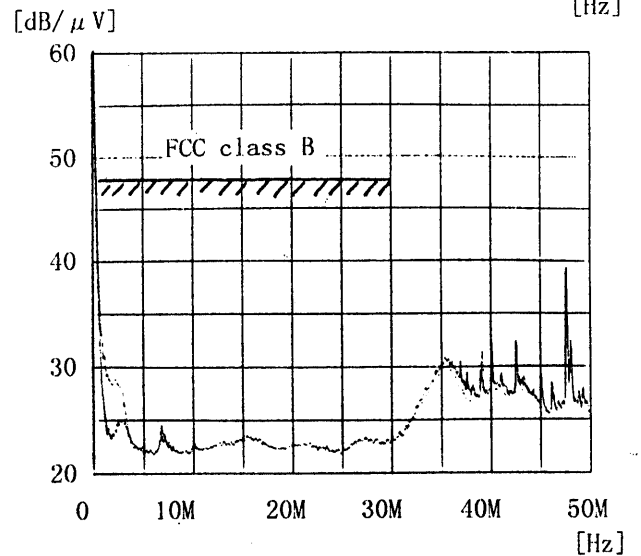
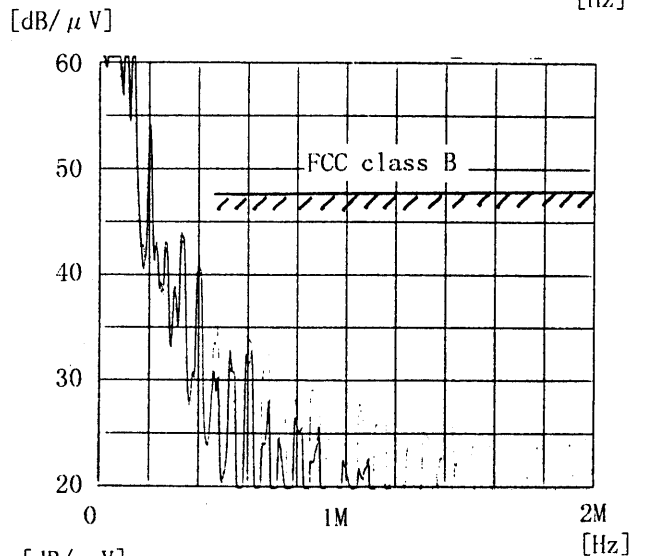
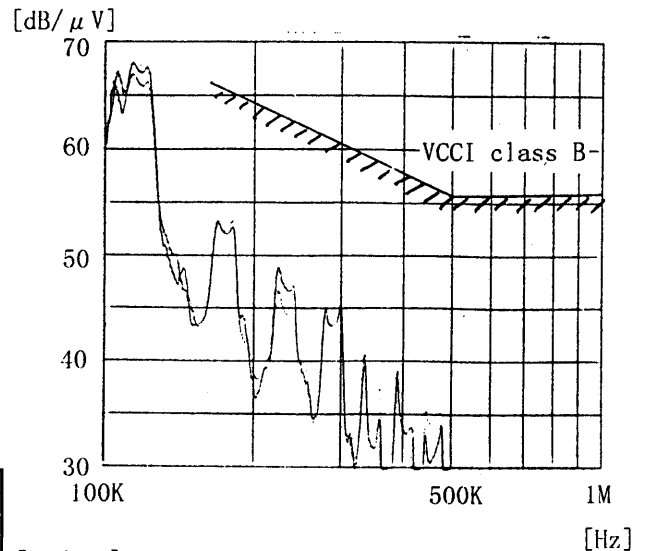
1. Graph

Remarks

Input Volt. 120 V (VCCI:100V)
Load 100 %

Note: Slanted line shows the range of Tolerance.
(注) 斜線は許容値を示す。

NO	Standards	Standards Complied	Frequency [MHz]	Tolerance [dB/μV]
1	FCC class A		0.45~1.6	60
			1.6~30	69.5
2	FCC class B	○	0.45~30	48
3	VCCI class A		0.15~0.5	79
			0.5~30	73
4	VCCI class B	○	0.15~0.5	66-56
			0.5~5	56
			5~30	60
5	CISPR Pub. 22 class A (EN55022)		0.15~0.5	79
			0.5~30	73
			/	
6	CISPR Pub. 22 class B (EN55022)		0.15~0.5	66-56
			0.5~5	56
			5~30	60



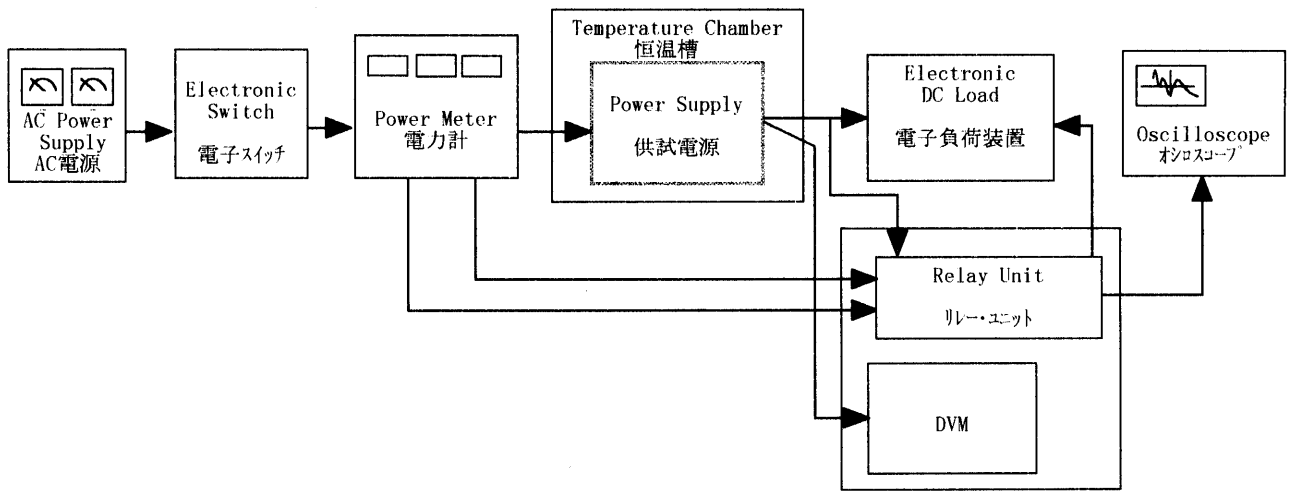


Figure A

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

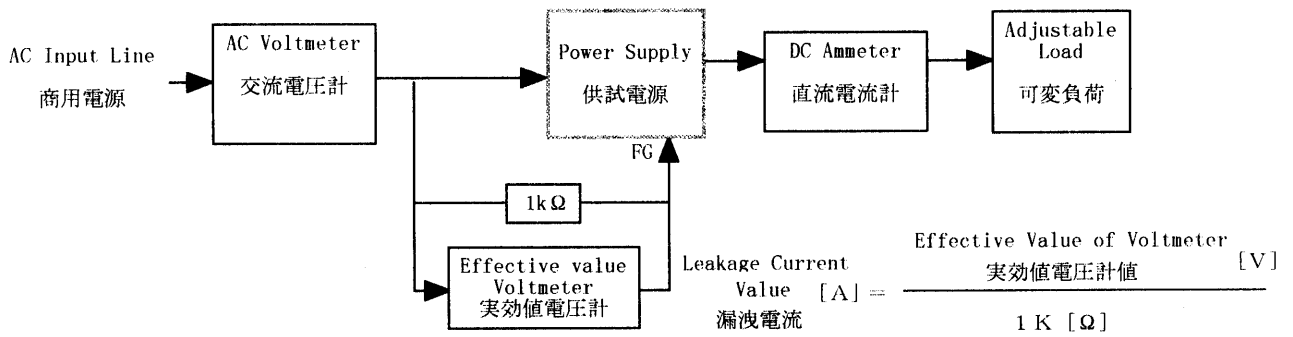


Figure B (DENTORI)

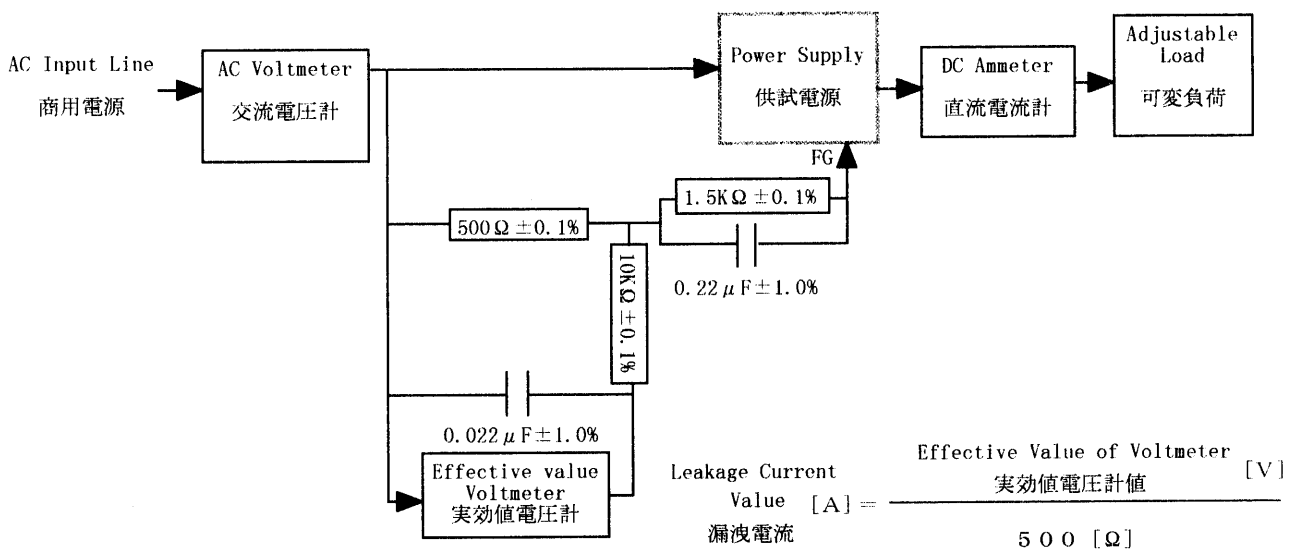


Figure B (IEC 60950)

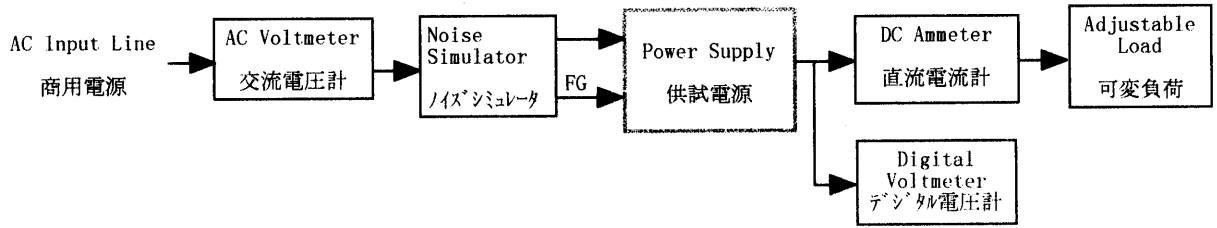


Figure C

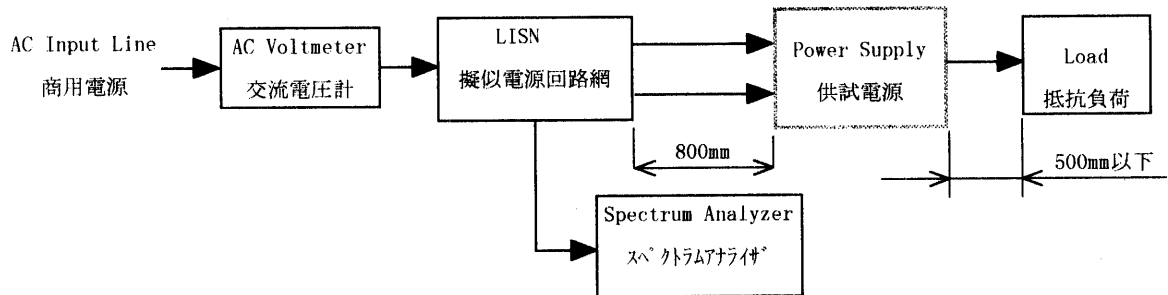


Figure D

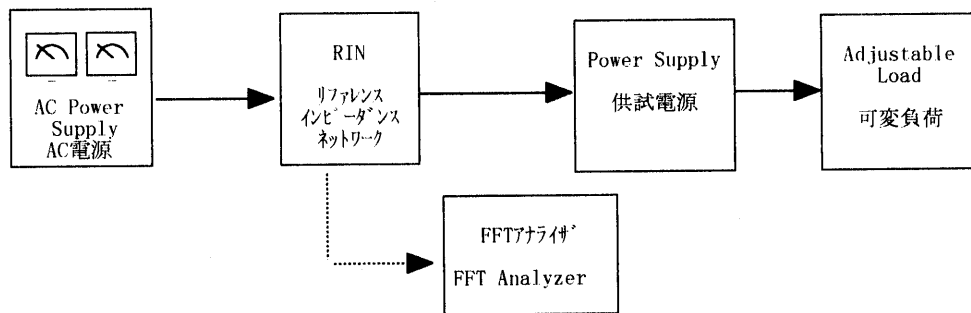


Figure E