



TEST DATA OF RMC50A-2

(100V INPUT)

Regulated DC Power Supply

Date : Mar. 25. 1999

Approved by : H. Takashima
Design Manager

Prepared by : H. Asano
Design Engineer

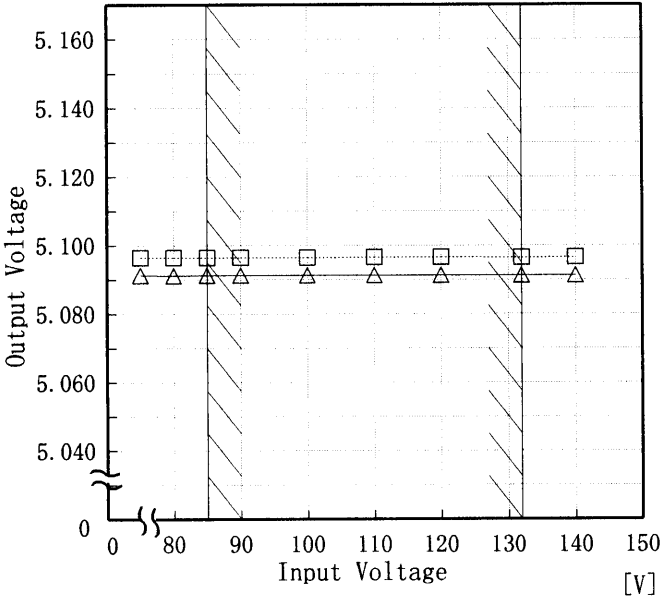
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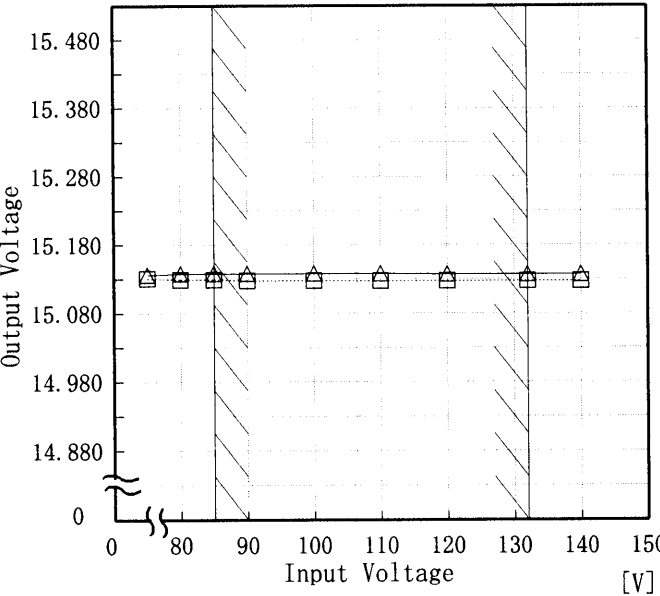
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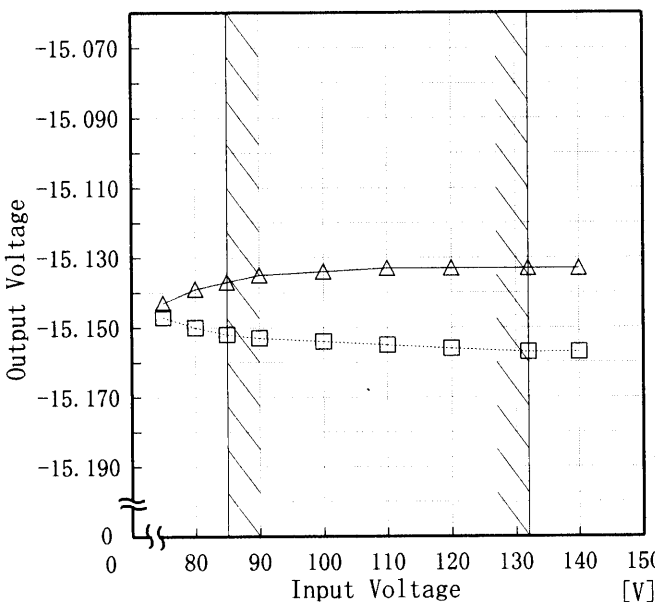
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Model		RMC50A-2		Temperature		25℃																															
Item		Line Regulation 静的入力変動		Testing Circuitry		Figure A																															
Object		+5.0V5A		2. Values																																	
1. Graph		<div><div><div>□</div>Load 50%</div><div><div>△</div>Load 100%</div></div> 																																			
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Object		+15V1.20A		2. Values																															
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Model RMC50A-2		Temperature 25°C Testing Circuitry Figure A																																
Item	Line Regulation 静的入力変動																																	
Object	-15.0V0.5A																																	
1. Graph <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 10px;"> <div style="margin-right: 20px;">□ --- 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>		2. Values <table border="1" data-bbox="917 481 1484 985"> <thead> <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> </thead> <tbody> <tr><td>75</td><td>-15.147</td><td>-15.143</td></tr> <tr><td>80</td><td>-15.150</td><td>-15.139</td></tr> <tr><td>85</td><td>-15.152</td><td>-15.137</td></tr> <tr><td>90</td><td>-15.153</td><td>-15.135</td></tr> <tr><td>100</td><td>-15.154</td><td>-15.134</td></tr> <tr><td>110</td><td>-15.155</td><td>-15.133</td></tr> <tr><td>120</td><td>-15.156</td><td>-15.133</td></tr> <tr><td>132</td><td>-15.157</td><td>-15.133</td></tr> <tr><td>140</td><td>-15.157</td><td>-15.133</td></tr> </tbody> </table>	Input Voltage [V]	Load 50%	Load 100%	Output Volt. [V]	Output Volt. [V]	75	-15.147	-15.143	80	-15.150	-15.139	85	-15.152	-15.137	90	-15.153	-15.135	100	-15.154	-15.134	110	-15.155	-15.133	120	-15.156	-15.133	132	-15.157	-15.133	140	-15.157	-15.133
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Model		RMC50A-2		Temperature		25°C																															
Item		Hold-Up Time 出力保持時間		Testing Circuitry		Figure A																															
Object		+5.0V5A																																			
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2. Values

Input Voltage [V]	Load 50%	Load 100%
	Hold-Up Time [mS]	Hold-Up Time [mS]
75	23	12
80	27	15
85	32	18
90	37	22
100	47	30
110	59	39
120	73	49
132	90	62
140	104	72

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Model		RMC50A-2	
Item		Hold-Up Time 出力保持時間	
Object		+15.0V1.2A	
1. Graph		2. Values	

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Model RMC50A-2		Temperature 25°C																																
Item	Hold-Up Time 出力保持時間	Testing Circuitry Figure A																																
Object	-15.0V 0.5A																																	
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Model	RMC50A-2	Temperature	25°C																																																			
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Object	+5.0V5A																																																					
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<div> <div> <div>△</div> <div>—</div> <div>Input Volt. 85 V</div> </div> <div> <div>□</div> <div>---</div> <div>Input Volt. 100 V</div> </div> <div> <div>○</div> <div>---</div> <div>Input Volt. 132 V</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. 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。 (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>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>37</td><td>57</td><td>94</td></tr> <tr><td>1.6</td><td>28</td><td>44</td><td>77</td></tr> <tr><td>2.4</td><td>21</td><td>36</td><td>77</td></tr> <tr><td>3.2</td><td>19</td><td>31</td><td>72</td></tr> <tr><td>4.0</td><td>14</td><td>27</td><td>60</td></tr> <tr><td>4.8</td><td>10</td><td>20</td><td>44</td></tr> <tr><td>5.0</td><td>5</td><td>19</td><td>44</td></tr> <tr><td>5.5</td><td>5</td><td>18</td><td>44</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	37	57	94	1.6	28	44	77	2.4	21	36	77	3.2	19	31	72	4.0	14	27	60	4.8	10	20	44	5.0	5	19	44	5.5	5	18	44	—	—	—	—	—	—	—	—
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<div> <div>—△— Input Volt. 85 V</div> <div>—□— Input Volt. 100 V</div> <div>—○— Input Volt. 132 V</div> </div> <p>Instantaneous Compensation Time [mS]</p> <p>Load Current [A]</p> <p>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.</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。 (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>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>0.00</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>0.20</td><td>39</td><td>55</td><td>101</td></tr> <tr><td>0.40</td><td>31</td><td>47</td><td>90</td></tr> <tr><td>0.60</td><td>28</td><td>40</td><td>81</td></tr> <tr><td>0.80</td><td>23</td><td>38</td><td>73</td></tr> <tr><td>1.00</td><td>21</td><td>31</td><td>69</td></tr> <tr><td>1.20</td><td>18</td><td>30</td><td>63</td></tr> <tr><td>1.20</td><td>18</td><td>30</td><td>63</td></tr> <tr><td>1.32</td><td>14</td><td>28</td><td>60</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]			0.00	—	—	—	0.20	39	55	101	0.40	31	47	90	0.60	28	40	81	0.80	23	38	73	1.00	21	31	69	1.20	18	30	63	1.20	18	30	63	1.32	14	28	60	—	—	—	—	—	—	—	—
Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																			
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COSEL

Model		RMC50A-2		Temperature Testing Circuitry	25℃ Figure A																																																	
Item		Instantaneous Interruption Compensation 瞬時停電保障																																																				
Object		-15.0V0.5A																																																				
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><div>Instantaneous Compensation Time</div><div>[mS]</div></div><div><div>1000</div><div>100</div><div>10</div><div>1</div></div><div><div>00.00</div><div>0.2</div><div>0.4</div><div>0.6</div></div><div><div>Load Current</div><div>[A]</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. 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。 (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>0.00</td><td>—</td><td>—</td><td>—</td></tr><tr><td>0.08</td><td>30</td><td>43</td><td>81</td></tr><tr><td>0.16</td><td>27</td><td>39</td><td>77</td></tr><tr><td>0.24</td><td>23</td><td>38</td><td>73</td></tr><tr><td>0.32</td><td>22</td><td>36</td><td>71</td></tr><tr><td>0.40</td><td>22</td><td>34</td><td>68</td></tr><tr><td>0.48</td><td>21</td><td>31</td><td>65</td></tr><tr><td>0.50</td><td>20</td><td>31</td><td>65</td></tr><tr><td>0.55</td><td>20</td><td>31</td><td>64</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]			0.00	—	—	—	0.08	30	43	81	0.16	27	39	77	0.24	23	38	73	0.32	22	36	71	0.40	22	34	68	0.48	21	31	65	0.50	20	31	65	0.55	20	31	64	—	—	—	—	—	—	—	—
Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																			
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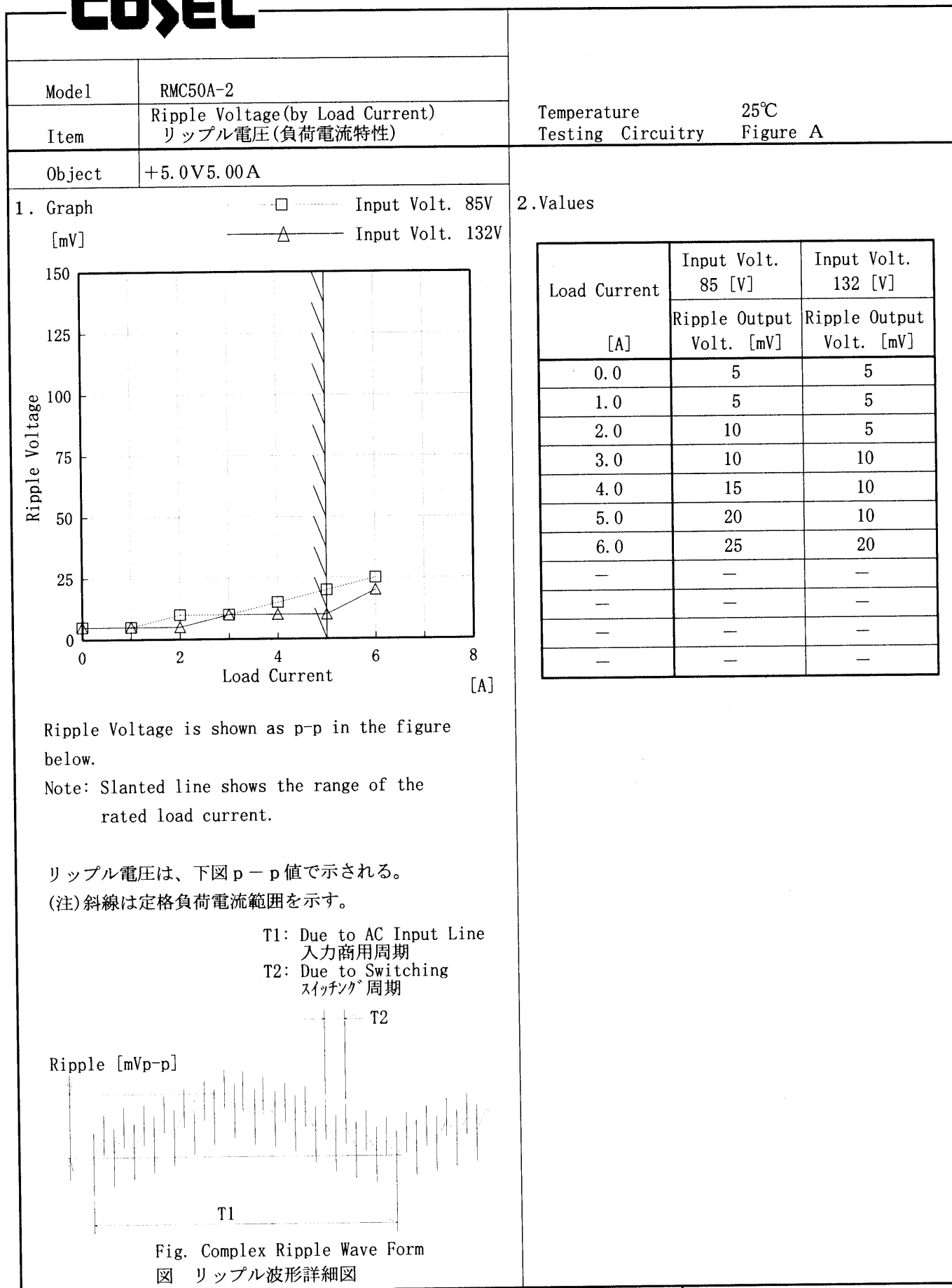
COSEL

Model RMC50A-2		Temperature 25°C																																																
Item	Load Regulation 静的負荷変動	Testing Circuitry Figure A																																																
Object	+5.0V5A	2. Values																																																
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Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																															
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Load Current [A]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																															
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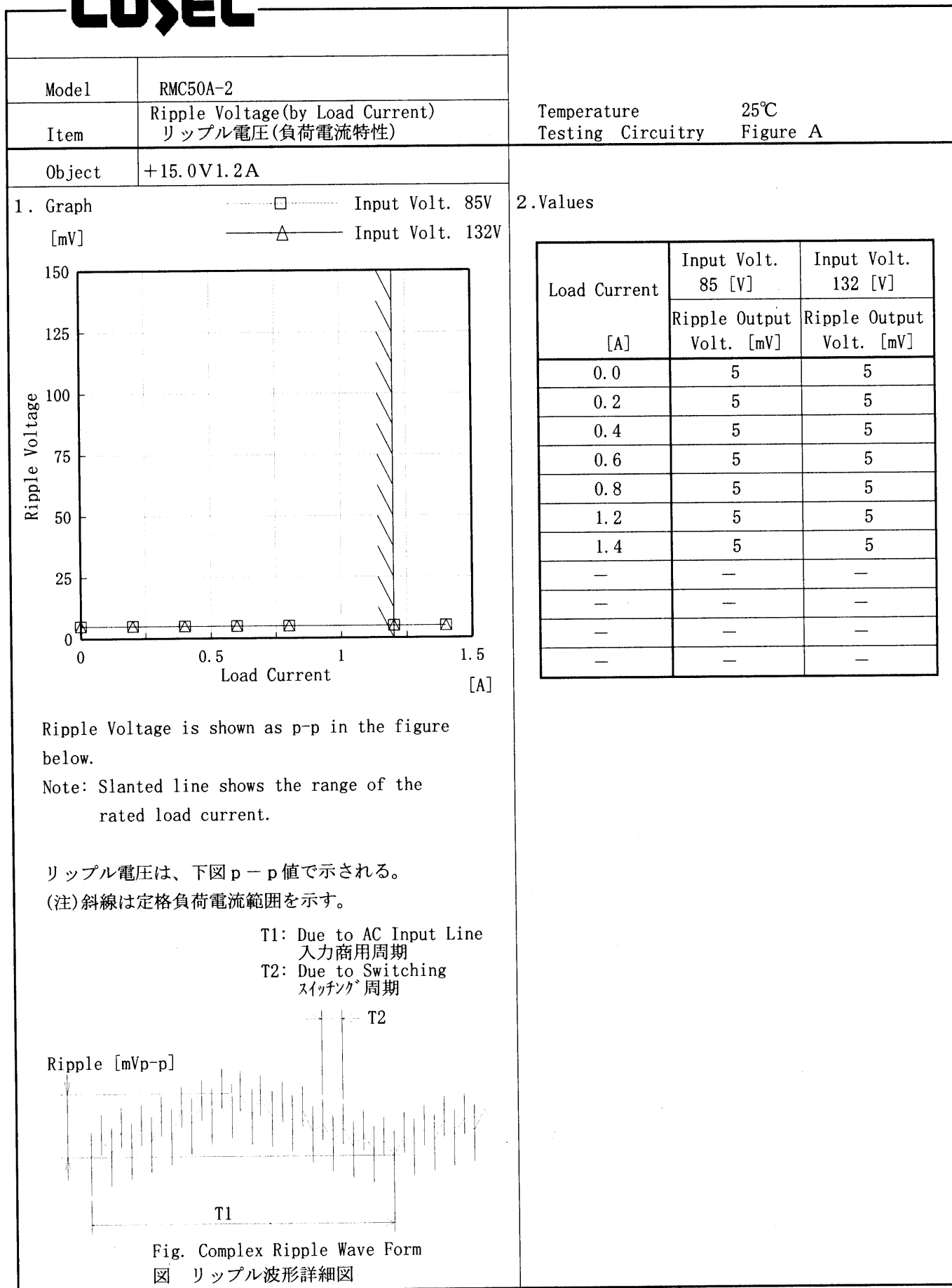
COSEL

Model RMC50A-2		Temperature 25°C																																													
Item	Load Regulation 静的負荷変動	Testing Circuitry	Figure A																																												
Object	-15.0V0.5A																																														
1. Graph <div> —△— Input Volt. 85 V - - -□- - - Input Volt. 100 V . . .○. . . Input Volt. 132 V </div>		2. Values																																													
		<table border="1"> <thead> <tr> <th>Load Current [A]</th><th>Input Volt. 85[V] Output Volt. [V]</th><th>Input Volt. 100[V] Output Volt. [V]</th><th>Input Volt. 132[V] Output Volt. [V]</th></tr> </thead> <tbody> <tr><td>0.00</td><td>-15.147</td><td>-15.150</td><td>-15.152</td></tr> <tr><td>0.08</td><td>-15.151</td><td>-15.154</td><td>-15.155</td></tr> <tr><td>0.16</td><td>-15.151</td><td>-15.153</td><td>-15.155</td></tr> <tr><td>0.24</td><td>-15.150</td><td>-15.152</td><td>-15.153</td></tr> <tr><td>0.32</td><td>-15.148</td><td>-15.150</td><td>-15.151</td></tr> <tr><td>0.40</td><td>-15.145</td><td>-15.147</td><td>-15.148</td></tr> <tr><td>0.48</td><td>-15.142</td><td>-15.144</td><td>-15.145</td></tr> <tr><td>0.50</td><td>-15.140</td><td>-15.142</td><td>-15.143</td></tr> <tr><td>0.55</td><td>-15.138</td><td>-15.139</td><td>-15.141</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>		Load Current [A]	Input Volt. 85[V] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]	0.00	-15.147	-15.150	-15.152	0.08	-15.151	-15.154	-15.155	0.16	-15.151	-15.153	-15.155	0.24	-15.150	-15.152	-15.153	0.32	-15.148	-15.150	-15.151	0.40	-15.145	-15.147	-15.148	0.48	-15.142	-15.144	-15.145	0.50	-15.140	-15.142	-15.143	0.55	-15.138	-15.139	-15.141	—	—	—	—
Load Current [A]	Input Volt. 85[V] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]																																												
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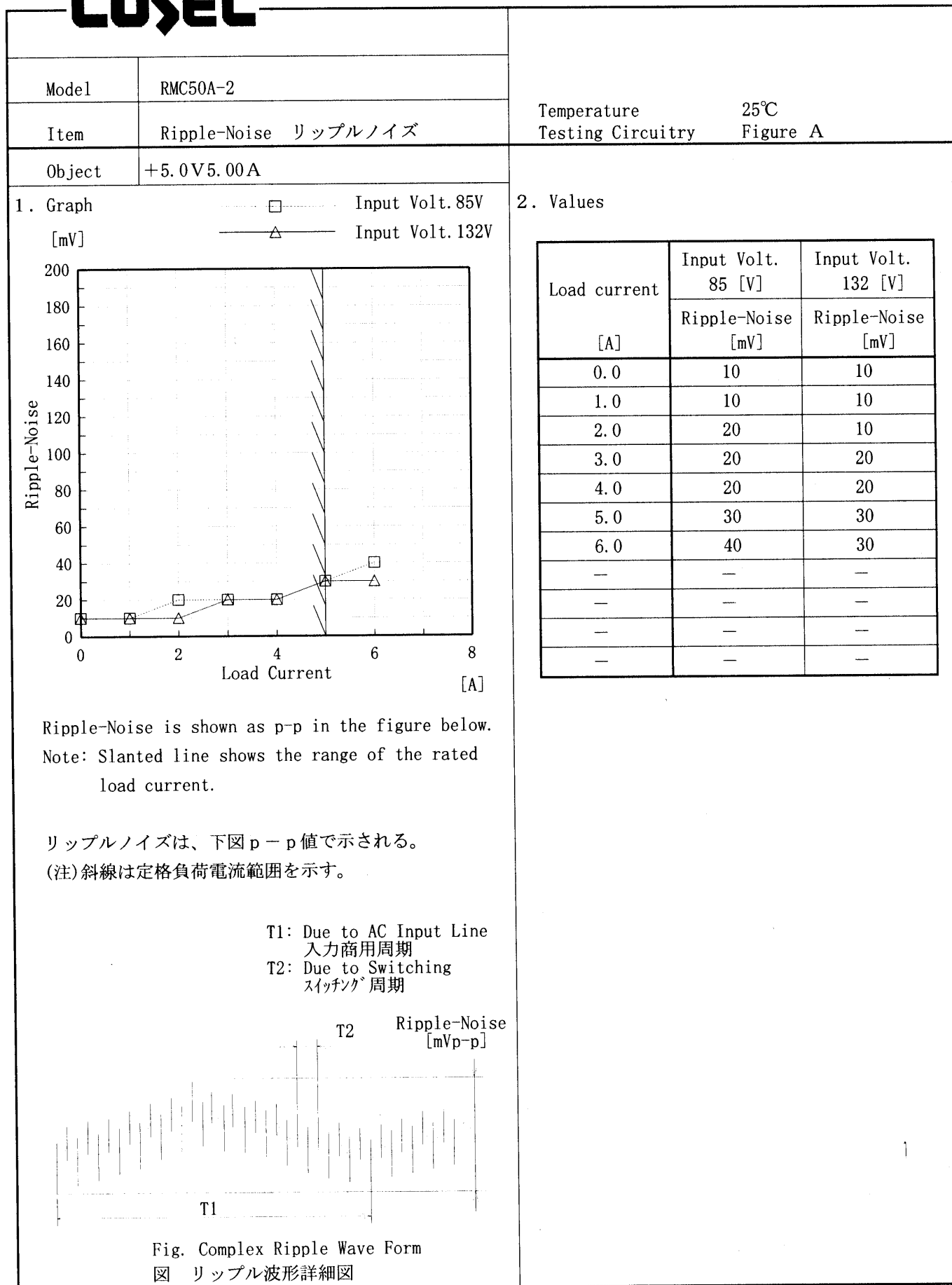


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Model		RMC50A-2		Temperature		25°C	
Item		Ripple Voltage(by Load Current) リップル電圧(負荷電流特性)		Testing Circuitry		Figure A	
Object		-15.0V0.5A		2.Values			
1. Graph		Input Volt. 85V Input Volt. 132V					
[mV]		Load Current		Load Current			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
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Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
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125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
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125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
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[mV]		[A]		[A]			
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125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
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125		0.6		0.6			
100		0.4		0.4			
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50		0		0			
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0							
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75		0.2		0.2			
50		0		0			
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100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
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75		0.2		0.2			
50		0		0			
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0							
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[mV]		[A]		[A]			
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125		0.6		0.6			
100		0.4		0.4			
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50		0		0			
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0							
Ripple Voltage		Load Current		Load Current			
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100		0.4		0.4			
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0							
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25							
0							
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100		0.4		0.4			
75		0.2		0.2			
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0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]		[A]			
150		0.8		0.8			
125		0.6		0.6			
100		0.4		0.4			
75		0.2		0.2			
50		0		0			
25							
0							
Ripple Voltage		Load Current		Load Current			
[mV]		[A]					

Load Current [A]	Input Volt. 85 [V]	Input Volt. 132 [V]
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]
0.0	5	5
0.1	5	5
0.2	5	5
0.3	5	5
0.4	5	5
0.5	5	5
0.6	5	5
—	—	—
—	—	—
—	—	—
—	—	—

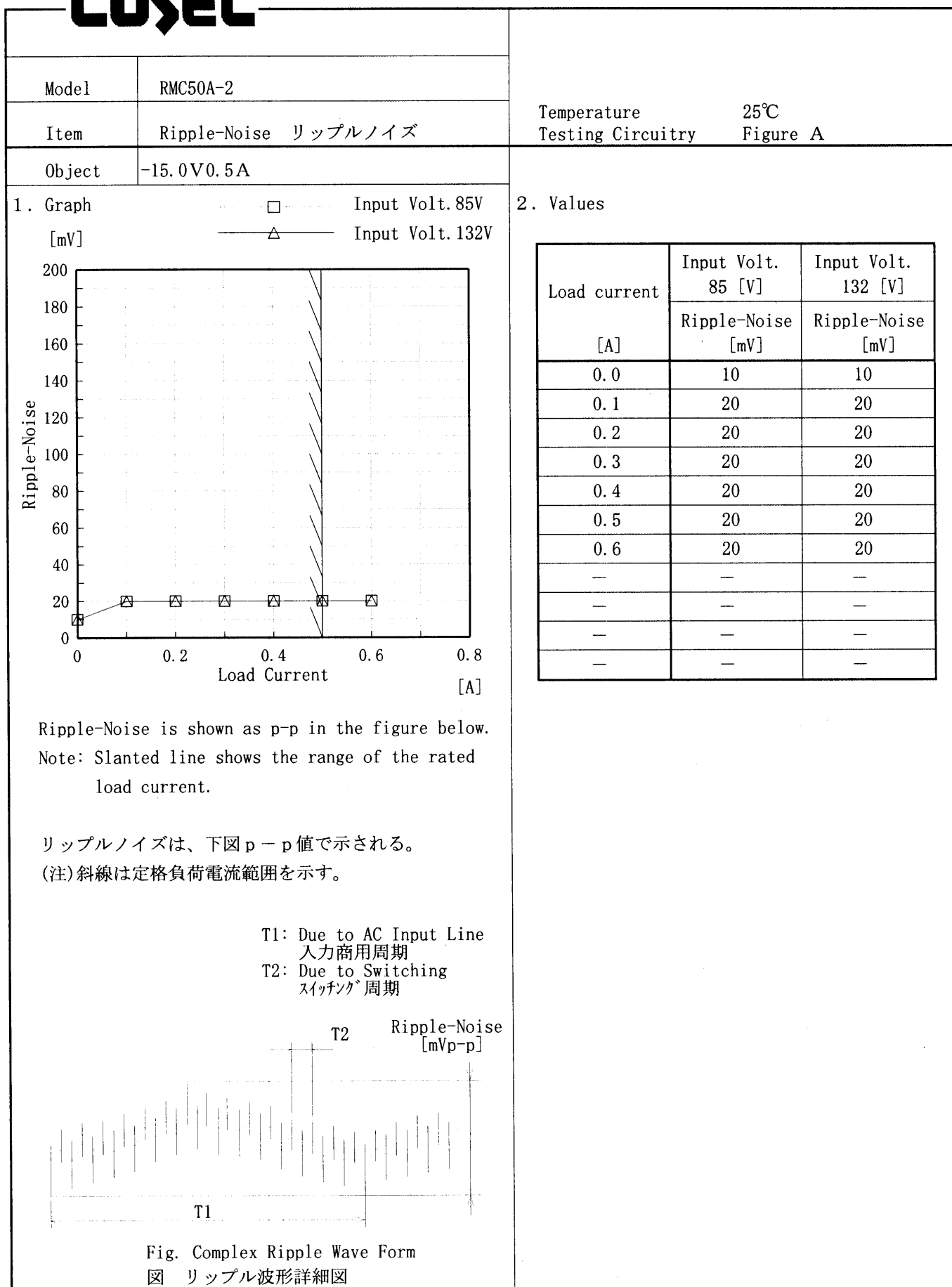
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Model		RMC50A-2		Temperature		25°C																																													
Item		Ripple-Noise リップルノイズ		Testing Circuitry		Figure A																																													
Object		+15.0V1.20A																																																	
1. Graph				2. Values																																															
<div><div><div>□</div><div>-----</div><div>Input Volt. 85V</div></div><div><div>△</div><div>-----</div><div>Input Volt. 132V</div></div></div> <div><div><div>Ripple-Noise</div><div>[mV]</div><div>200</div><div>180</div><div>160</div><div>140</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div><div><div>0</div><div>0.5</div><div>1</div><div>1.5</div></div><div><div>Load Current</div><div>[A]</div></div></div> <div><div>Ripple-Noise is shown as p-p in the figure below.</div><div>Note: Slanted line shows the range of the rated load current.</div></div> <div><div>リップルノイズは、下図 p - p 値で示される。</div><div>(注)斜線は定格負荷電流範囲を示す。</div></div> <div><div><div>T1: Due to AC Input Line</div><div>入力商用周期</div><div>T2: Due to Switching</div><div>スイッチング周期</div></div><div><div><div>T2</div><div>Ripple-Noise</div><div>[mVp-p]</div></div><div><div>T1</div></div></div></div> <div><div>Fig. Complex Ripple Wave Form</div><div>図 リップル波形詳細図</div></div>				<table><tr><th rowspan="2">Load current</th><th>Input Volt.</th><th>Input Volt.</th></tr><tr><th>85 [V]</th><th>132 [V]</th></tr><tr><th>[A]</th><th>Ripple-Noise</th><th>Ripple-Noise</th></tr><tr><td></td><td>[mV]</td><td>[mV]</td></tr><tr><td>0.0</td><td>10</td><td>10</td></tr><tr><td>0.2</td><td>10</td><td>10</td></tr><tr><td>0.4</td><td>10</td><td>10</td></tr><tr><td>0.6</td><td>10</td><td>10</td></tr><tr><td>0.8</td><td>10</td><td>10</td></tr><tr><td>1.2</td><td>20</td><td>20</td></tr><tr><td>1.4</td><td>20</td><td>20</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr><tr><td>—</td><td>—</td><td>—</td></tr></table>				Load current	Input Volt.	Input Volt.	85 [V]	132 [V]	[A]	Ripple-Noise	Ripple-Noise		[mV]	[mV]	0.0	10	10	0.2	10	10	0.4	10	10	0.6	10	10	0.8	10	10	1.2	20	20	1.4	20	20	—	—	—	—	—	—	—	—	—	—	—	—
Load current	Input Volt.	Input Volt.																																																	
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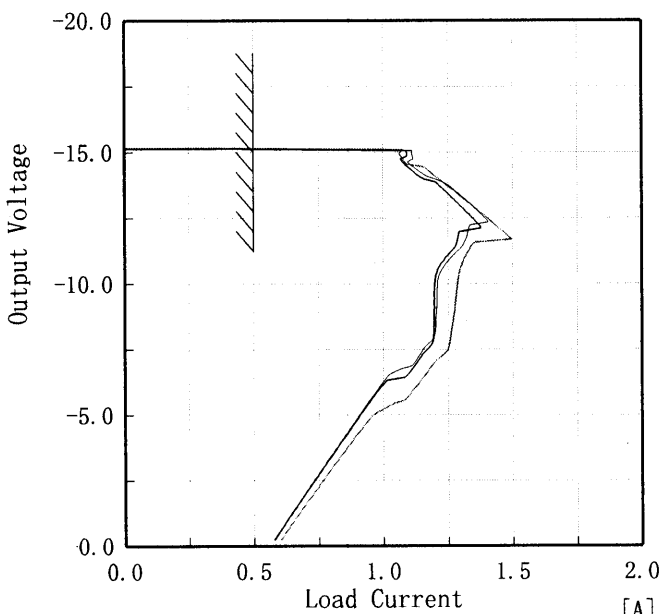
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Model	RMC50A-2																																																									
Item	Overcurrent Protection 過電流保護	Temperature	25℃																																																							
Object	+5.0V5A	Testing Circuitry	Figure A																																																							
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Output Voltage [V]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
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Output Voltage [V]	Input Volt. 85[V]	Input Volt. 100[V]	Input Volt. 132[V]																																																							
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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。																																																										

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Model		RMC50A-2	Temperature25℃ Testing CircuitryFigure A
Item		Overcurrent Protection 過電流保護	
Object		-15.0V0.50A	
1. Graph			
		<div><div></div>Input Volt.85 V</div> <div><div></div>Input Volt.100 V</div> <div><div></div>Input Volt.132 V</div>	2. Values
[V]			
			
Output Voltage			
[V]			
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。			

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

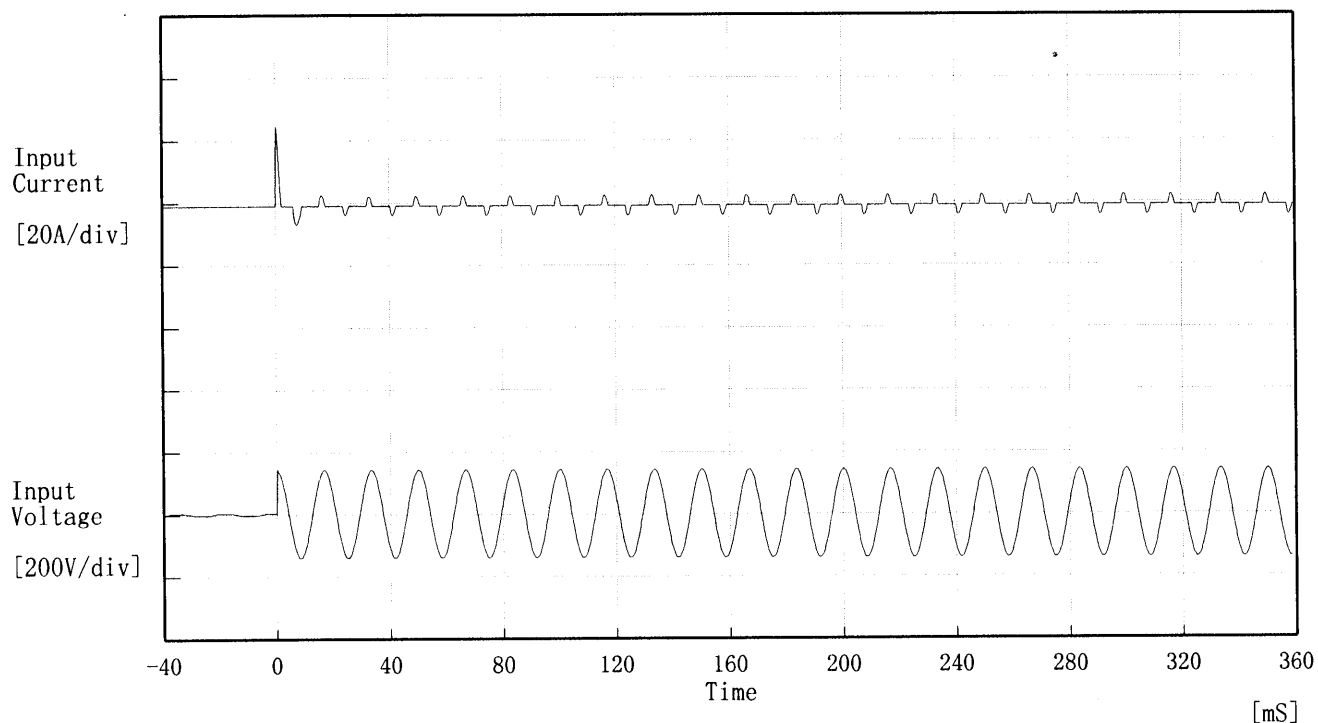
(注) 斜線は定格負荷電流範囲を示す。

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Model		RMC50A-2	Testing Circuitry Figure A																																																			
Item		Overvoltage Protection 過電圧保護																																																				
Object		+5.0V5A																																																				
1. Graph		<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> <p>Operating Point [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 0%</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																																																			
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60	6.32	6.32	6.32																																																			
—	—	—	—																																																			

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Model	RMC50A-2	Temperature	25°C
Item	Inrush Current 突入電流	Testing Circuitry	Figure A
Object	_____		



Input Voltage 100 V

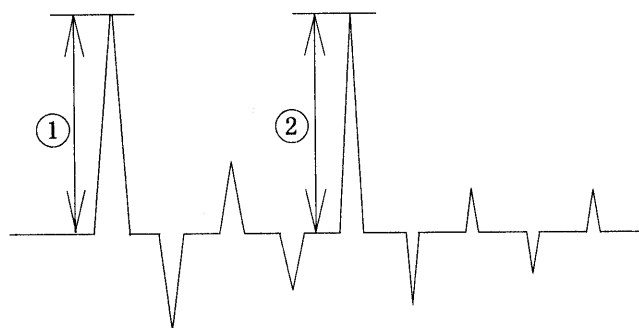
Frequency 60 Hz

Load 100 %

Inrush Current

① 24.51 [A]

② 4.00 [A]



COSEL

Model	RMC50A-2	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Responce 動的負荷変動	
Object	+5.0V5.00A	

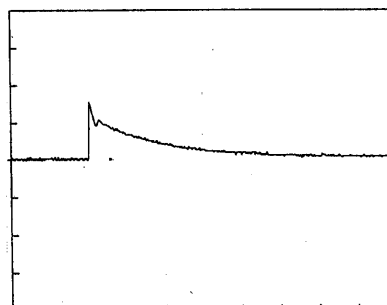
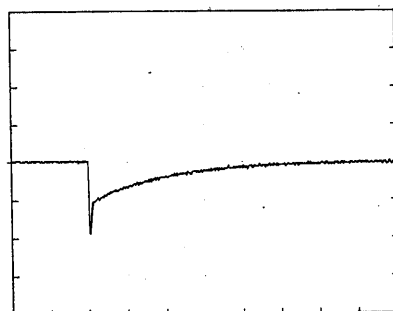
Input Volt. 100 V

Cycle 200 mS

Load Current

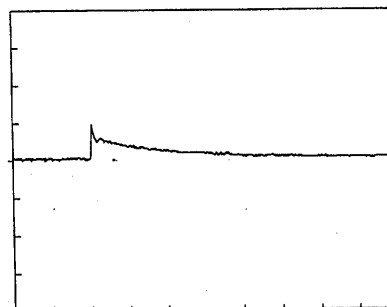
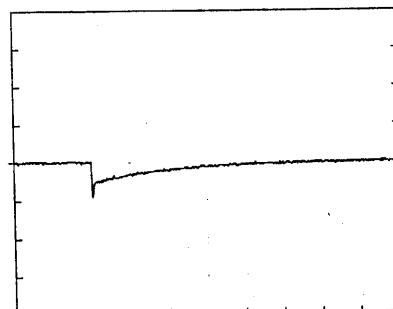
Load 0% ↔

Load 100 %



Load 0% ↔

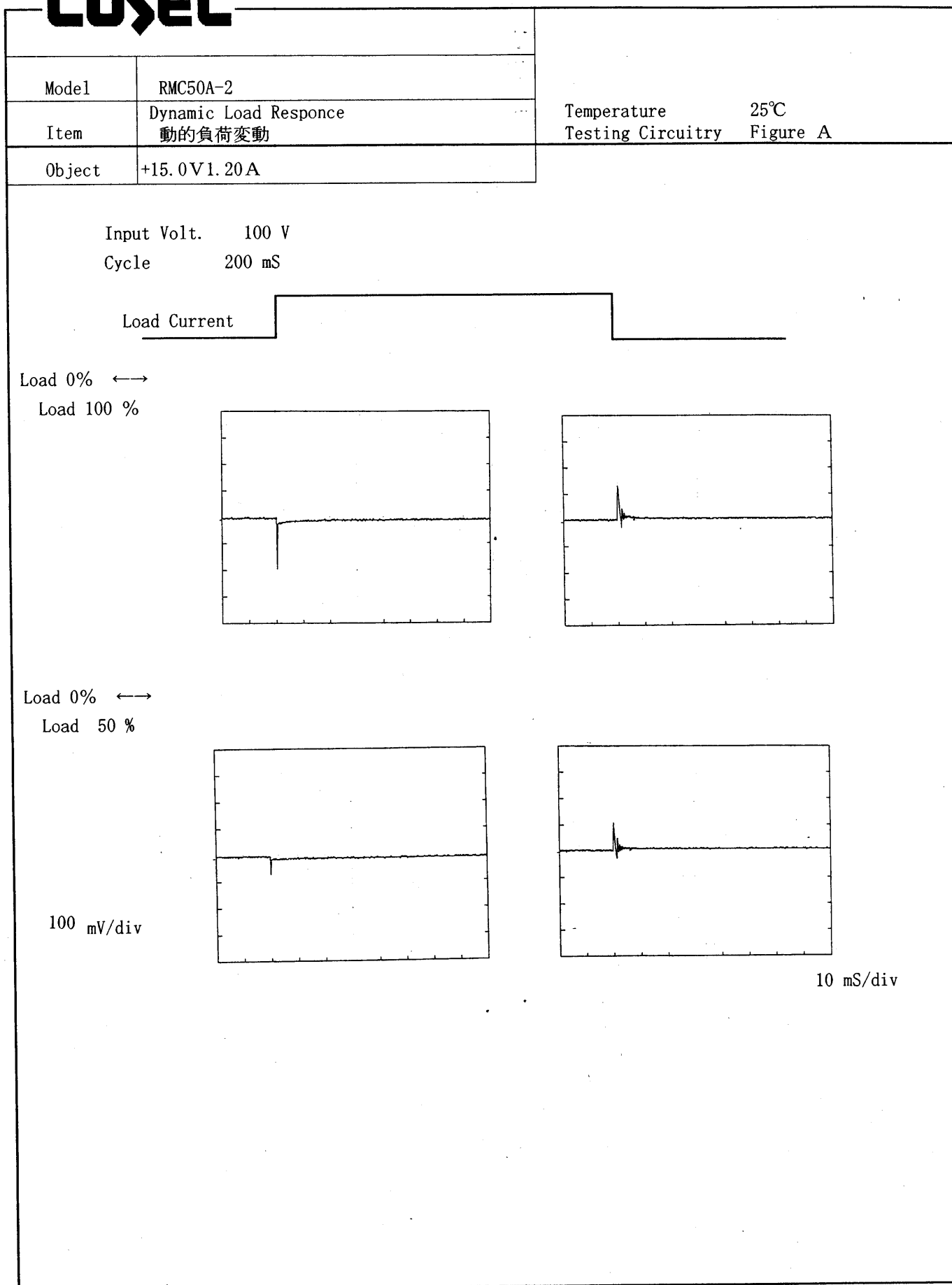
Load 50 %



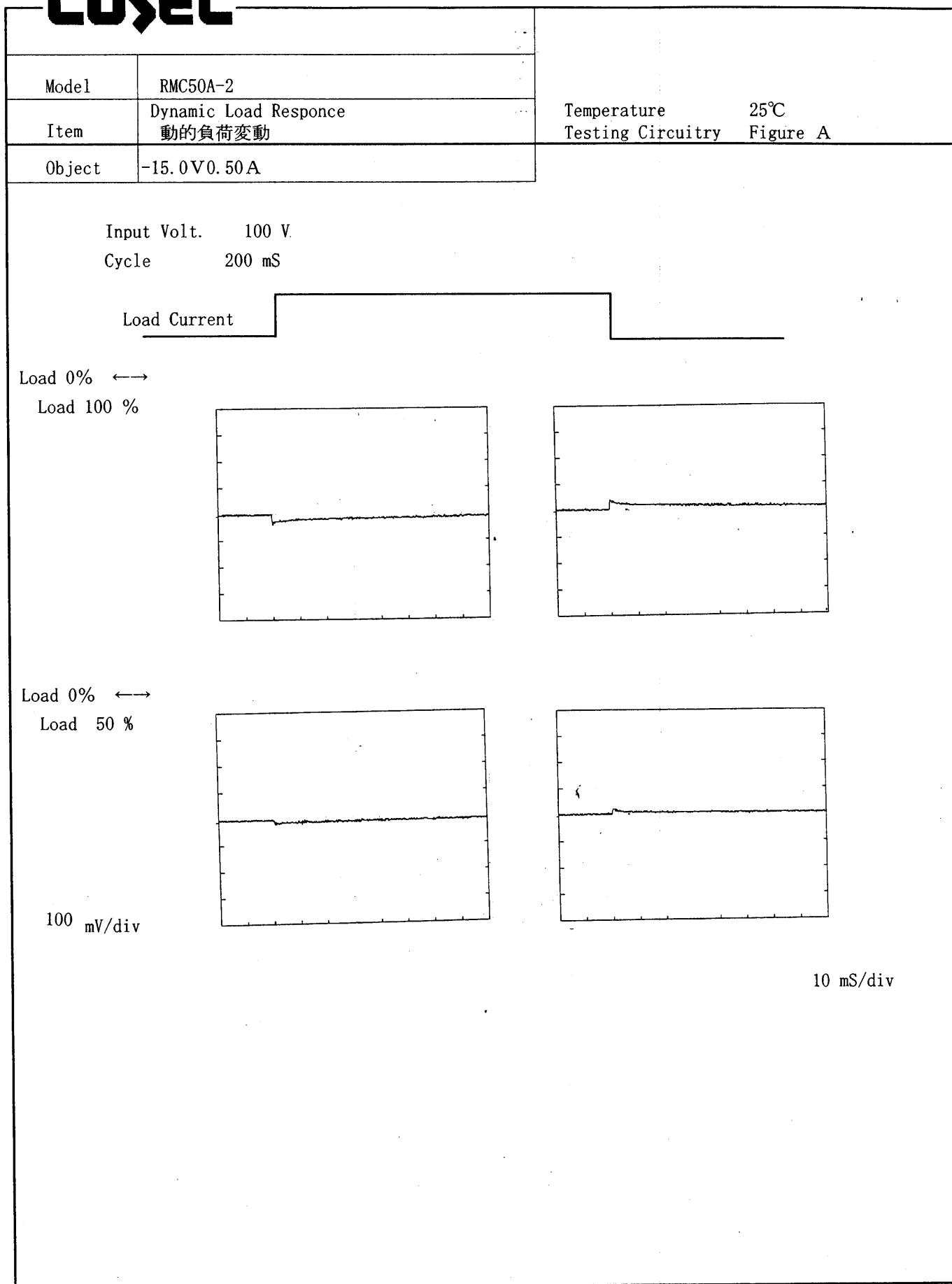
100 mV/div

10 mS/div

COSEL



COSEL

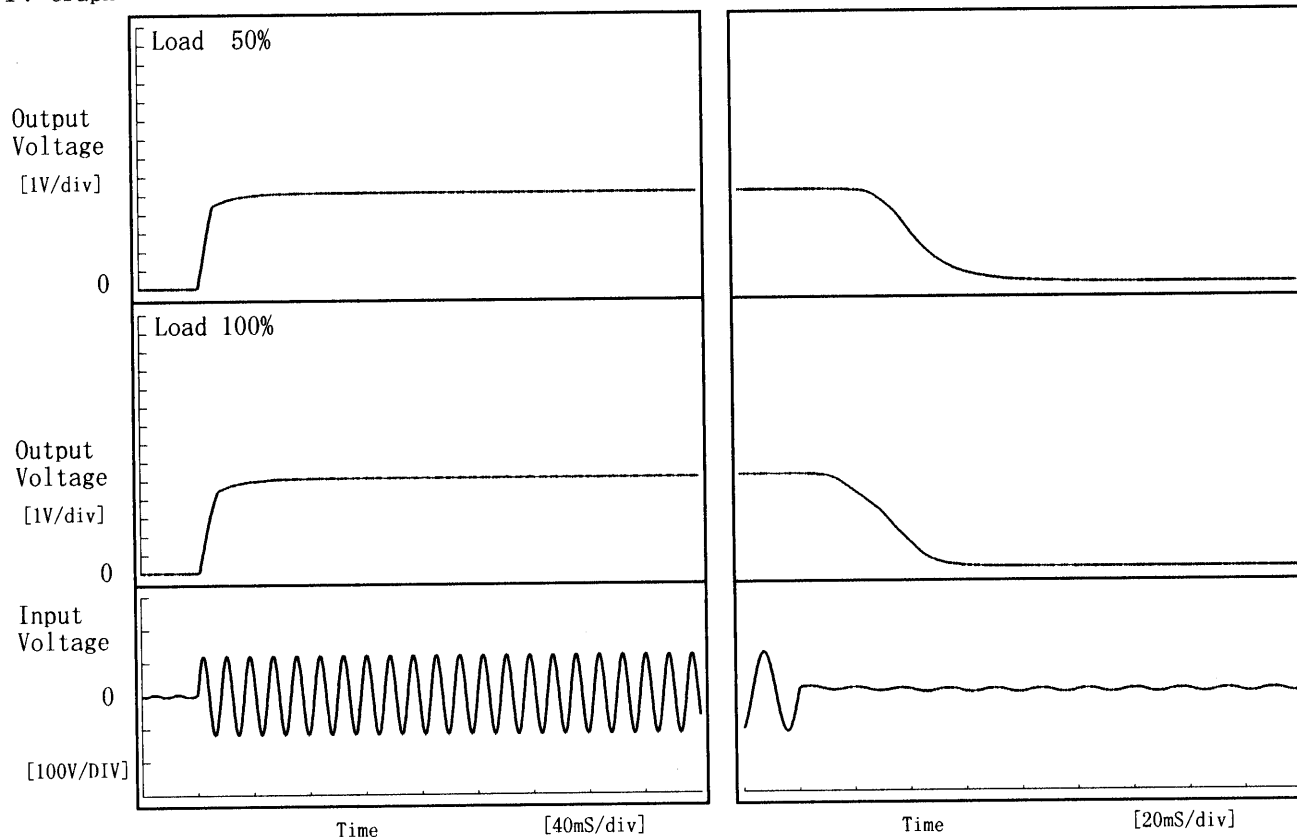


COSEL

Model	RMC50A-2	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+5.0V5.00A		

1. Graph

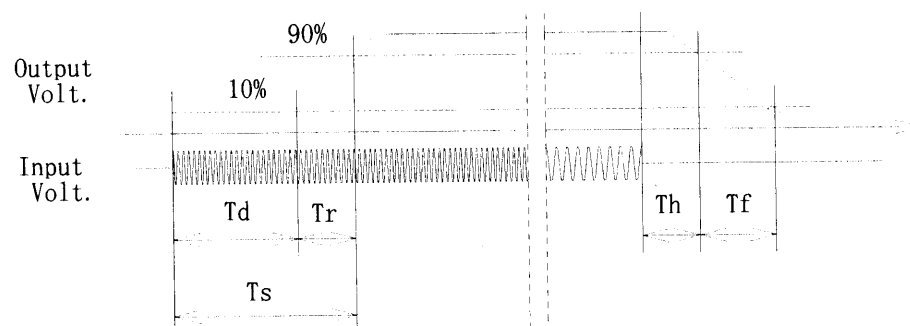
Input Volt. 85 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	3.0	13.0	16.0	31.4	33.8
100 %	3.0	14.8	17.8	18.0	30.8

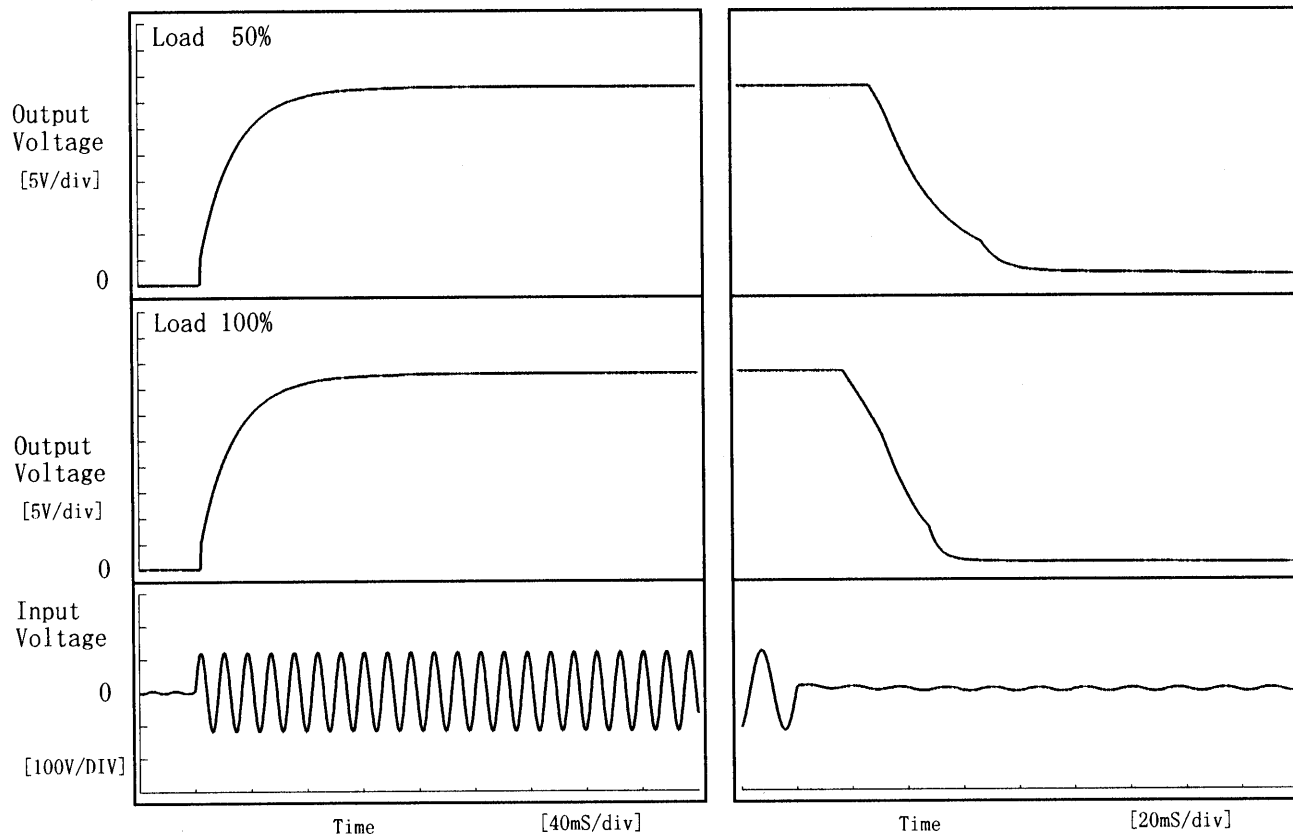


COSEL

Model	RMC50A-2	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	+15.0V 1.20A		

1. Graph

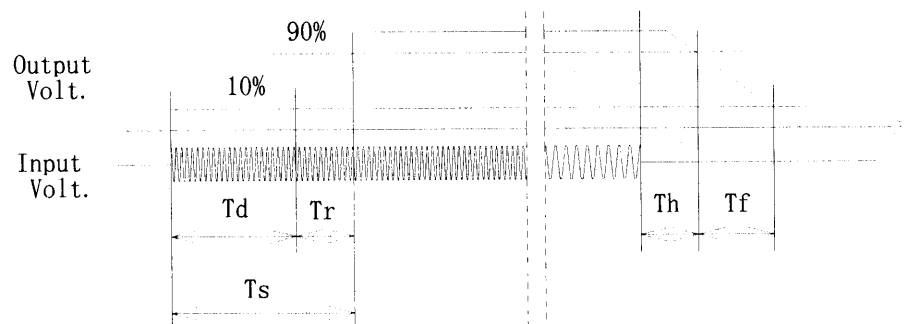
Input Volt. 85 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	4.4	54.0	58.4	31.5	44.5
100 %	4.2	54.2	58.4	22.3	29.3

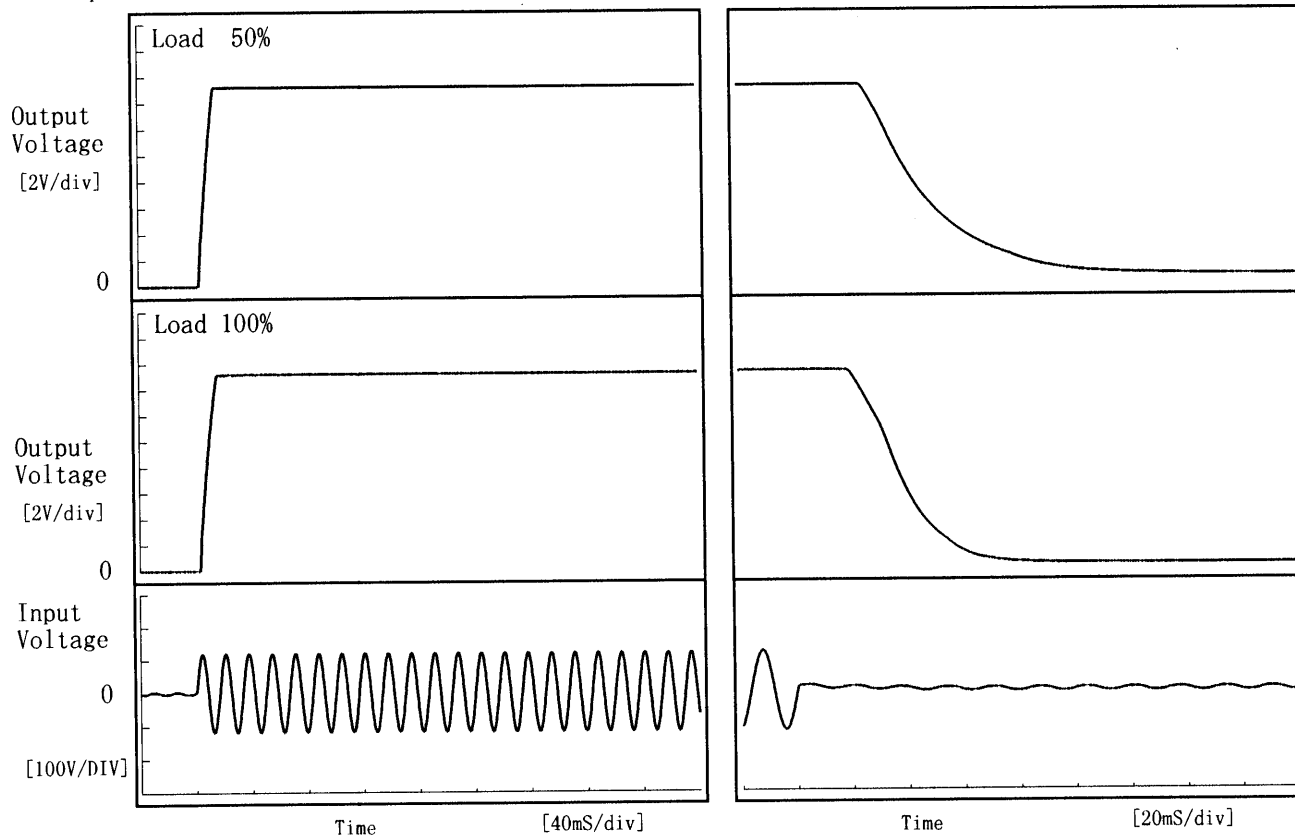


COSEL

Model	RMC50A-2	Temperature	25°C
Item	Rise and Fall Time 立上り、立下り時間	Testing Circuitry	Figure A
Object	-15.0V0.50A		

1. Graph

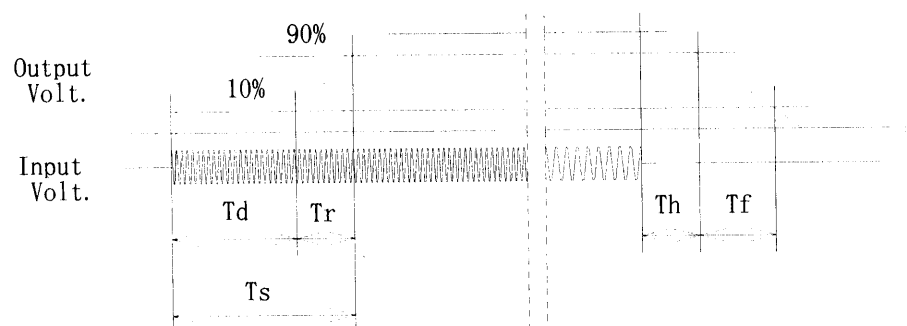
Input Volt. 85 V



2. Values

[mS]

Load \ Time	T d	T r	T s	T h	T f
50 %	3.6	9.0	12.6	28.8	59.0
100 %	3.6	10.0	13.6	24.2	34.2



COSEL

Model		RMC50A-2	Testing Circuitry Figure A																																																				
Item		Ambient Temperature Drift 周囲温度変動																																																					
Object		+5.0V5.00A																																																					
1. Graph			2. Values																																																				
<div><div><div>△</div><div>Input Volt. 85.0V</div></div><div><div>□</div><div>Input Volt. 100.0V</div></div><div><div>○</div><div>Input Volt. 132.0V</div></div></div> <p>Output Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 100%</p>			<table><tr><th>Temperature</th><th>Input Volt. 85.0[V]</th><th>Input Volt. 100.0[V]</th><th>Input Volt. 132.0[V]</th></tr><tr><th>[°C]</th><th>Output Volt. [V]</th><th>Output Volt. [V]</th><th>Output Volt. [V]</th></tr><tr><td>-20</td><td>5.053</td><td>5.054</td><td>5.054</td></tr><tr><td>-10</td><td>5.054</td><td>5.054</td><td>5.054</td></tr><tr><td>0</td><td>5.055</td><td>5.055</td><td>5.055</td></tr><tr><td>10</td><td>5.053</td><td>5.053</td><td>5.053</td></tr><tr><td>20</td><td>5.053</td><td>5.053</td><td>5.053</td></tr><tr><td>25</td><td>5.052</td><td>5.052</td><td>5.052</td></tr><tr><td>30</td><td>5.051</td><td>5.051</td><td>5.051</td></tr><tr><td>40</td><td>5.049</td><td>5.049</td><td>5.049</td></tr><tr><td>50</td><td>5.045</td><td>5.045</td><td>5.045</td></tr><tr><td>60</td><td>5.042</td><td>5.042</td><td>5.043</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr></table>	Temperature	Input Volt. 85.0[V]	Input Volt. 100.0[V]	Input Volt. 132.0[V]	[°C]	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]	-20	5.053	5.054	5.054	-10	5.054	5.054	5.054	0	5.055	5.055	5.055	10	5.053	5.053	5.053	20	5.053	5.053	5.053	25	5.052	5.052	5.052	30	5.051	5.051	5.051	40	5.049	5.049	5.049	50	5.045	5.045	5.045	60	5.042	5.042	5.043	—	—	—	—
Temperature	Input Volt. 85.0[V]	Input Volt. 100.0[V]	Input Volt. 132.0[V]																																																				
[°C]	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]																																																				
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-10	5.054	5.054	5.054																																																				
0	5.055	5.055	5.055																																																				
10	5.053	5.053	5.053																																																				
20	5.053	5.053	5.053																																																				
25	5.052	5.052	5.052																																																				
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Object			+15V1.20A																																																				
1. Graph			2. Values																																																				
<div><div><div>△</div><div>Input Volt. 85.0V</div></div><div><div>□</div><div>Input Volt. 100.0V</div></div><div><div>○</div><div>Input Volt. 132.0V</div></div></div> <p>Output Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 100%</p>			<table><tr><th>Temperature</th><th>Input Volt. 85.0[V]</th><th>Input Volt. 100.0[V]</th><th>Input Volt. 132.0[V]</th></tr><tr><th>[°C]</th><th>Output Volt. [V]</th><th>Output Volt. [V]</th><th>Output Volt. [V]</th></tr><tr><td>-20</td><td>14.875</td><td>14.875</td><td>14.875</td></tr><tr><td>-10</td><td>14.881</td><td>14.881</td><td>14.880</td></tr><tr><td>0</td><td>14.885</td><td>14.885</td><td>14.885</td></tr><tr><td>10</td><td>14.889</td><td>14.889</td><td>14.888</td></tr><tr><td>20</td><td>14.891</td><td>14.891</td><td>14.890</td></tr><tr><td>25</td><td>14.891</td><td>14.891</td><td>14.891</td></tr><tr><td>30</td><td>14.891</td><td>14.891</td><td>14.891</td></tr><tr><td>40</td><td>14.891</td><td>14.891</td><td>14.890</td></tr><tr><td>50</td><td>14.890</td><td>14.890</td><td>14.890</td></tr><tr><td>60</td><td>14.888</td><td>14.888</td><td>14.888</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr></table>	Temperature	Input Volt. 85.0[V]	Input Volt. 100.0[V]	Input Volt. 132.0[V]	[°C]	Output Volt. [V]	Output Volt. [V]	Output Volt. [V]	-20	14.875	14.875	14.875	-10	14.881	14.881	14.880	0	14.885	14.885	14.885	10	14.889	14.889	14.888	20	14.891	14.891	14.890	25	14.891	14.891	14.891	30	14.891	14.891	14.891	40	14.891	14.891	14.890	50	14.890	14.890	14.890	60	14.888	14.888	14.888	—	—	—	—
Temperature	Input Volt. 85.0[V]	Input Volt. 100.0[V]	Input Volt. 132.0[V]																																																				
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-20	14.875	14.875	14.875																																																				
-10	14.881	14.881	14.880																																																				
0	14.885	14.885	14.885																																																				
10	14.889	14.889	14.888																																																				
20	14.891	14.891	14.890																																																				
25	14.891	14.891	14.891																																																				
30	14.891	14.891	14.891																																																				
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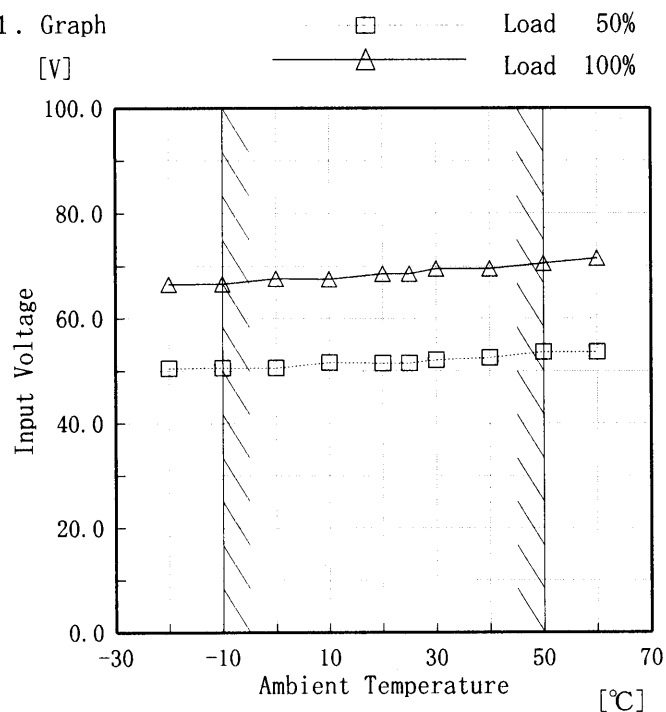
COSEL

Model		RMC50A-2	Testing Circuitry Figure A																																																
Item		Ambient Temperature Drift 周囲温度変動																																																	
Object		-15.0V0.50A																																																	
1. Graph			2. Values																																																
<div><div><div><div><div>△</div><div>Input Volt. 85V</div></div><div><div>□</div><div>Input Volt. 100V</div></div><div><div>○</div><div>Input Volt. 132V</div></div></div><div><div><div><div>Output Voltage [V]</div><div><div><div><div>-15.170</div><div>-15.210</div><div>-15.250</div><div>-15.290</div><div>-15.330</div><div>-15.370</div><div>-15.410</div><div>0 0</div></div><div><div>-30</div><div>-10</div><div>10</div><div>30</div><div>50</div><div>70</div></div></div><div>Ambient Temperature [°C]</div></div><div><div>Load 100%</div></div></div><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></div></div></div></div>			<table><tr><th>Temperature [°C]</th><th>Input Volt. 85[V] Output Volt. [V]</th><th>Input Volt. 100[V] Output Volt. [V]</th><th>Input Volt. 132[V] Output Volt. [V]</th></tr><tr><td>-20</td><td>-15.407</td><td>-15.406</td><td>-15.405</td></tr><tr><td>-10</td><td>-15.387</td><td>-15.386</td><td>-15.385</td></tr><tr><td>0</td><td>-15.364</td><td>-15.363</td><td>-15.362</td></tr><tr><td>10</td><td>-15.338</td><td>-15.337</td><td>-15.336</td></tr><tr><td>20</td><td>-15.315</td><td>-15.314</td><td>-15.313</td></tr><tr><td>25</td><td>-15.304</td><td>-15.303</td><td>-15.302</td></tr><tr><td>30</td><td>-15.293</td><td>-15.292</td><td>-15.291</td></tr><tr><td>40</td><td>-15.271</td><td>-15.270</td><td>-15.269</td></tr><tr><td>50</td><td>-15.248</td><td>-15.246</td><td>-15.246</td></tr><tr><td>60</td><td>-15.221</td><td>-15.220</td><td>-15.219</td></tr><tr><td>—</td><td>—</td><td>—</td><td>—</td></tr></table>	Temperature [°C]	Input Volt. 85[V] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]	-20	-15.407	-15.406	-15.405	-10	-15.387	-15.386	-15.385	0	-15.364	-15.363	-15.362	10	-15.338	-15.337	-15.336	20	-15.315	-15.314	-15.313	25	-15.304	-15.303	-15.302	30	-15.293	-15.292	-15.291	40	-15.271	-15.270	-15.269	50	-15.248	-15.246	-15.246	60	-15.221	-15.220	-15.219	—	—	—	—
Temperature [°C]	Input Volt. 85[V] Output Volt. [V]	Input Volt. 100[V] Output Volt. [V]	Input Volt. 132[V] Output Volt. [V]																																																
-20	-15.407	-15.406	-15.405																																																
-10	-15.387	-15.386	-15.385																																																
0	-15.364	-15.363	-15.362																																																
10	-15.338	-15.337	-15.336																																																
20	-15.315	-15.314	-15.313																																																
25	-15.304	-15.303	-15.302																																																
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—	—	—	—																																																

COSEL

Model	RMC50A-2
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	+5.0V5A

1. Graph

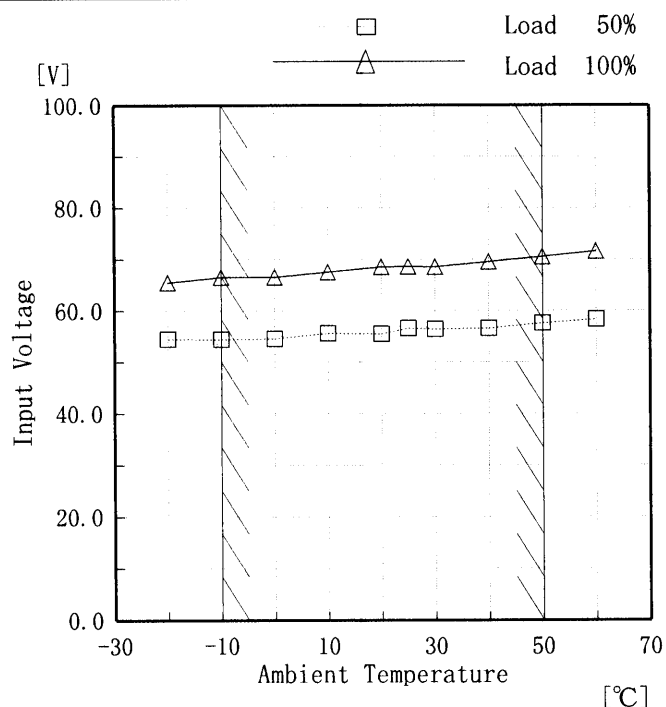


Testing Circuitry Figure A

2. Values

Ambient Temp. [°C]	Load 50% Input Volt. [V]	Load 100% Input Volt. [V]
-20	50.5	66.5
-10	50.6	66.6
0	50.6	67.6
10	51.6	67.5
20	51.5	68.5
25	51.5	68.5
30	52.1	69.5
40	52.5	69.5
50	53.6	70.5
60	53.6	71.5
—	—	—

Object +15V1.20A



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% Input Volt. [V]	Load 100% Input Volt. [V]
-20	54.5	65.5
-10	54.4	66.5
0	54.6	66.5
10	55.6	67.5
20	55.5	68.5
25	56.6	68.6
30	56.4	68.5
40	56.6	69.5
50	57.6	70.5
60	58.3	71.5
—	—	—

COSEL

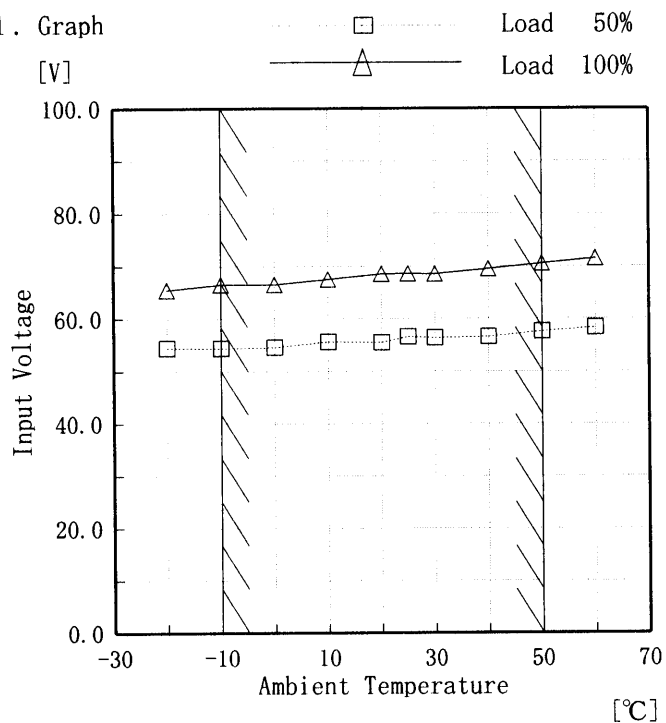
Model RMC50A-2

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

Object -15.0V0.50A

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.	Load 50%	Load 100%
Input Volt.	Input Volt.	Input Volt.
[°C]	[V]	[V]
-20	55	66
-10	54	67
0	55	67
10	56	68
20	56	69
25	57	69
30	56	69
40	57	70
50	58	71
60	58	72
—	—	—

COSEL

Model		RMC50A-2	
Item		Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)	
Object		+5.0V5.00A	
1. Graph		2. Values	

Ripple Voltage [mV]	□ Load 50%	△ Load 100%				
150						
125						
100						
75						
50						
25						
0						
	Ambient Temperature [°C]					
	-30	-10	10	30	50	70

Input Volt. 100 V	
-------------------	--

Object		+15V1.20A	
1. Graph		2. Values	

Ripple Voltage	□ Load 50%	△ Load 100%				
150						
125						
100						
75						
50						
25						
0						
	Ambient Temperature [°C]					
	-30	-10	10	30	50	70

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。	

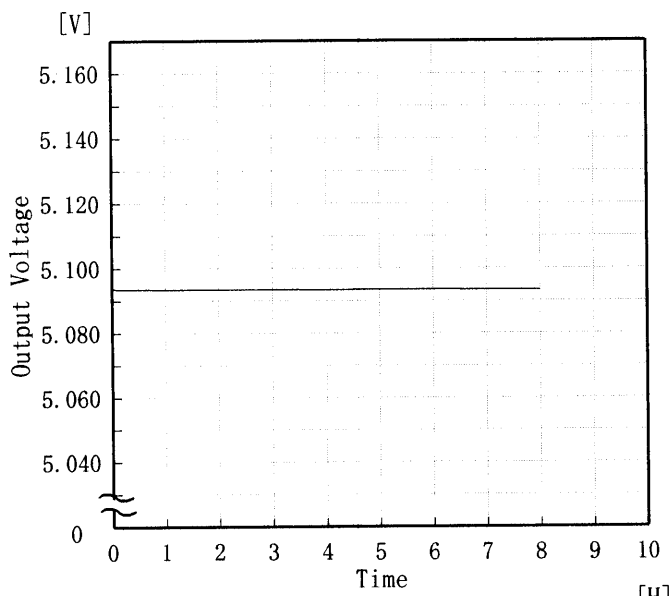
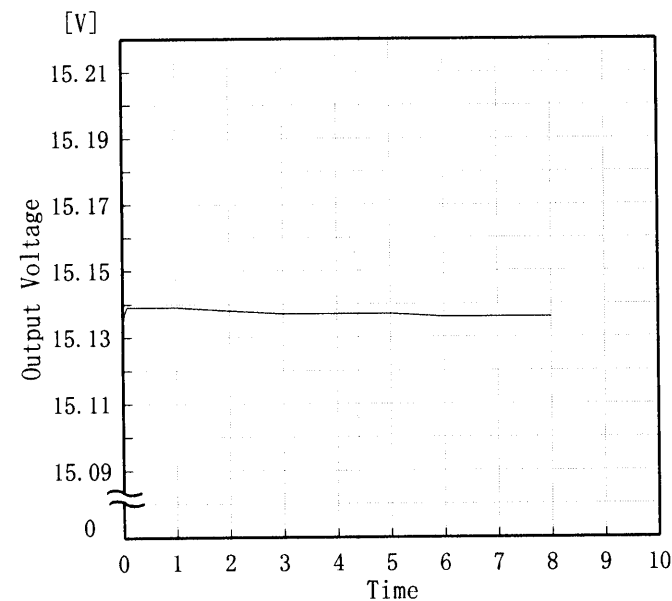
Ambient Temp. [°C]	Load 50% Ripple Output Volt. [mV]	Load 100% Ripple Output Volt. [mV]
-20	60	140
-10	40	70
0	20	40
10	10	30
20	10	20
25	10	20
30	10	20
40	5	10
50	5	10
60	5	10
—	—	—

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

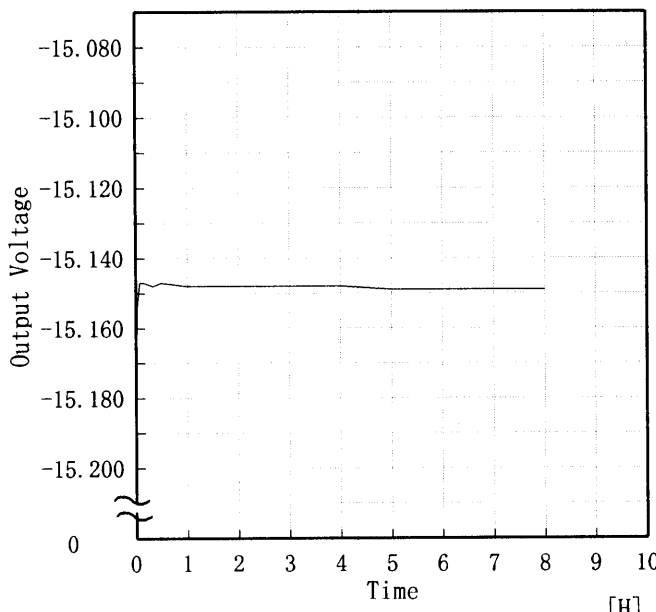
COSEL

Model RMC50A-2		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 0.50A																																							
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> <div>-30</div> <div>-10</div> <div>10</div> <div>30</div> <div>50</div> <div>70</div> </div> <div>Ambient Temperature</div> <div>[°C]</div> </div> </div> <div> <div>Input Volt. 100 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>40</td><td>50</td></tr> <tr><td>-10</td><td>30</td><td>40</td></tr> <tr><td>0</td><td>10</td><td>20</td></tr> <tr><td>10</td><td>10</td><td>10</td></tr> <tr><td>20</td><td>10</td><td>10</td></tr> <tr><td>25</td><td>10</td><td>10</td></tr> <tr><td>30</td><td>10</td><td>10</td></tr> <tr><td>40</td><td>10</td><td>10</td></tr> <tr><td>50</td><td>10</td><td>10</td></tr> <tr><td>60</td><td>10</td><td>10</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	40	50	-10	30	40	0	10	20	10	10	10	20	10	10	25	10	10	30	10	10	40	10	10	50	10	10	60	10	10	—	—	—
Ambient Temp. [°C]	Load 50%	Load 100%																																						
	Ripple Output Volt. [mV]	Ripple Output Volt. [mV]																																						
-20	40	50																																						
-10	30	40																																						
0	10	20																																						
10	10	10																																						
20	10	10																																						
25	10	10																																						
30	10	10																																						
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COSEL																									
Model	RMC50A-2	Temperature 25℃																							
Item	Time Lapse Drift 経時ドリフト	Testing Circuitry Figure A																							
Object	+5.0V5.00A																								
1. Graph		2.Values																							
 <p>Input Volt. 100V Load 100%</p>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>5.095</td></tr><tr><td>0.5</td><td>5.094</td></tr><tr><td>1.0</td><td>5.093</td></tr><tr><td>2.0</td><td>5.093</td></tr><tr><td>3.0</td><td>5.093</td></tr><tr><td>4.0</td><td>5.093</td></tr><tr><td>5.0</td><td>5.093</td></tr><tr><td>6.0</td><td>5.093</td></tr><tr><td>7.0</td><td>5.093</td></tr><tr><td>8.0</td><td>5.093</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	5.095	0.5	5.094	1.0	5.093	2.0	5.093	3.0	5.093	4.0	5.093	5.0	5.093	6.0	5.093	7.0	5.093	8.0	5.093
Time since start [H]	Output Voltage [V]																								
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0.5	5.094																								
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8.0	5.093																								
Object	+15V1.20A																								
1. Graph		2.Values																							
 <p>Input Volt. 100V Load 100%</p>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>15.110</td></tr><tr><td>0.5</td><td>15.139</td></tr><tr><td>1.0</td><td>15.139</td></tr><tr><td>2.0</td><td>15.138</td></tr><tr><td>3.0</td><td>15.137</td></tr><tr><td>4.0</td><td>15.137</td></tr><tr><td>5.0</td><td>15.137</td></tr><tr><td>6.0</td><td>15.136</td></tr><tr><td>7.0</td><td>15.136</td></tr><tr><td>8.0</td><td>15.136</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	15.110	0.5	15.139	1.0	15.139	2.0	15.138	3.0	15.137	4.0	15.137	5.0	15.137	6.0	15.136	7.0	15.136	8.0	15.136
Time since start [H]	Output Voltage [V]																								
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0.5	15.139																								
1.0	15.139																								
2.0	15.138																								
3.0	15.137																								
4.0	15.137																								
5.0	15.137																								
6.0	15.136																								
7.0	15.136																								
8.0	15.136																								

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Model	RMC50A-2																								
Item	Time Lapse Drift 経時ドリフト	Temperature	25 ℃																						
Object	-15.0V0.5A	Testing Circuitry	Figure A																						
1. Graph		2.Values																							
<div>[V]</div> <div></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>-15.193</td></tr><tr><td>0.5</td><td>-15.147</td></tr><tr><td>1.0</td><td>-15.148</td></tr><tr><td>2.0</td><td>-15.148</td></tr><tr><td>3.0</td><td>-15.148</td></tr><tr><td>4.0</td><td>-15.148</td></tr><tr><td>5.0</td><td>-15.149</td></tr><tr><td>6.0</td><td>-15.149</td></tr><tr><td>7.0</td><td>-15.149</td></tr><tr><td>8.0</td><td>-15.149</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	-15.193	0.5	-15.147	1.0	-15.148	2.0	-15.148	3.0	-15.148	4.0	-15.148	5.0	-15.149	6.0	-15.149	7.0	-15.149	8.0	-15.149
Time since start [H]	Output Voltage [V]																								
0.0	-15.193																								
0.5	-15.147																								
1.0	-15.148																								
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6.0	-15.149																								
7.0	-15.149																								
8.0	-15.149																								

COSEL

Model		RMC50A-2	Testing Circuitry Figure A
Item		Output Voltage Accuracy 定電圧精度	

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 : 85.0~132.0 V

Load Current (AVR 1) : 0.00~5.00 (AVR 2) : 0.00~1.20 / (AVR 3) : 0.00~0.50 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 85.0~132.0 V

負荷電流 (AVR 1) 0.00~5.00 A (AVR 2) : 0.00~1.20 A (AVR 3) : 0.00~0.50 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) = $\frac{\text{変動値}}{\text{定格出力電圧}} \times 100$

Object		+5.0V5.00A				
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	0.000	5.112	±16	±0.4
Minimum Voltage	50	85.0	5.000	5.081		

Object		+15V1.20A				
Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	50	85.0	1.20	15.167	±62	±0.5
Minimum Voltage	-10	132.0	0.00	15.043		

Object		-15V0.50A				
Item	Temperature [°C]	Input Voltage [V]	Output Current [A]	Output Voltage [V]	Output Voltage Accuracy [mV]	Output Voltage Accuracy (Ration) [%]
Maximum Voltage	-10	132.0	0.00	-15.219	±59	±0.4
Minimum Voltage	50	132.0	0.50	-15.102		

COSEL

LOVEL

Model	RMC50A-2
Item	Condensation 結露特性
Object	+5.0V5A

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]	5.091	Input Volt.: 100V, Load Current:5A
Line Regulation [mV]	1	Input Volt.: 85～132V, Load Current:5A
Load Regulation [mV]	10	Input Volt.: 100V, Load Current:0～5A

COSEL

COSEL			
Model	RMC50A-2		
Item	Condensation 結露特性	Testing Circuitry	Figure A
Object	-15.0V0.5A		
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]	-15.147	Input Volt. : 100V, Load Current:0.5A	
Line Regulation [mV]	12	Input Volt. : 85～132V, Load Current:0.5A	
Load Regulation [mV]	33	Input Volt. : 100V, Load Current:0.0～0.5A	

COSEL

Model	RMC50A-2	Temperature	25°C
Item	Leakage Current 漏洩電流	Testing Circuitry	Figure A
Object	_____		

1. Results

Standards	Leakage Current [mA]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
(A) DENTORI	0.23	0.27	0.36
(B) IEC60950	0.22	0.26	0.35

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.

交流入力の一相について測定し、その大きい方を漏洩電流測定値とする。

COSEL

Model	RMC50A-2
Item	Conducted Emission 雑音端子電圧
Object	_____

Testing Circuitry Figure D

1. Graph

Input Volt. 100V

Remarks

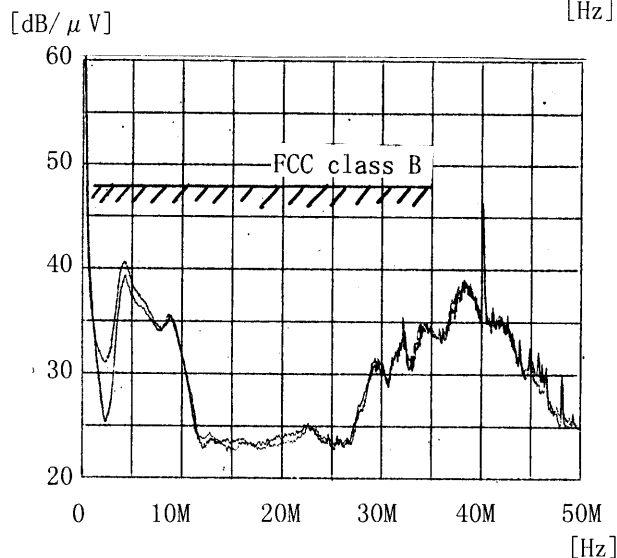
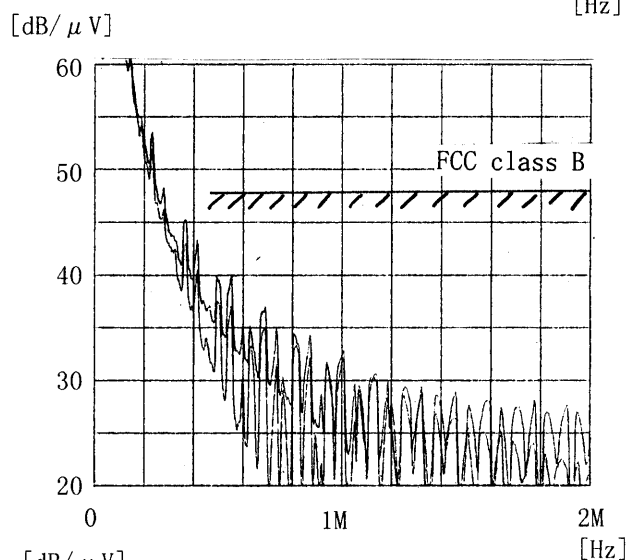
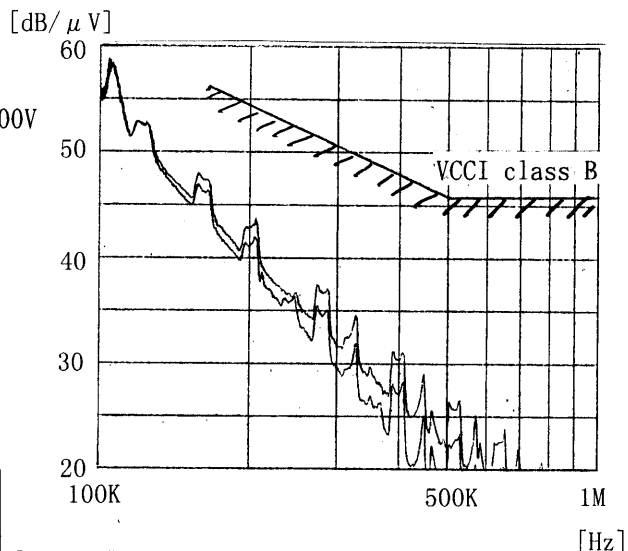
Input Volt. 120 V

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



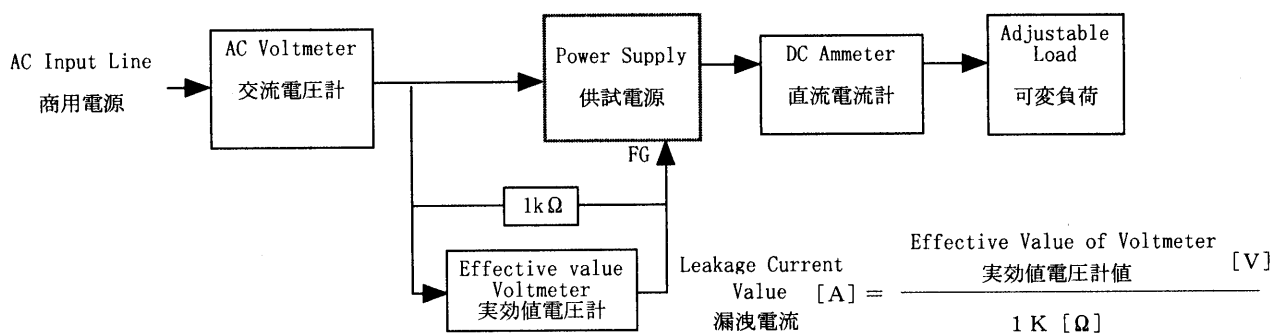
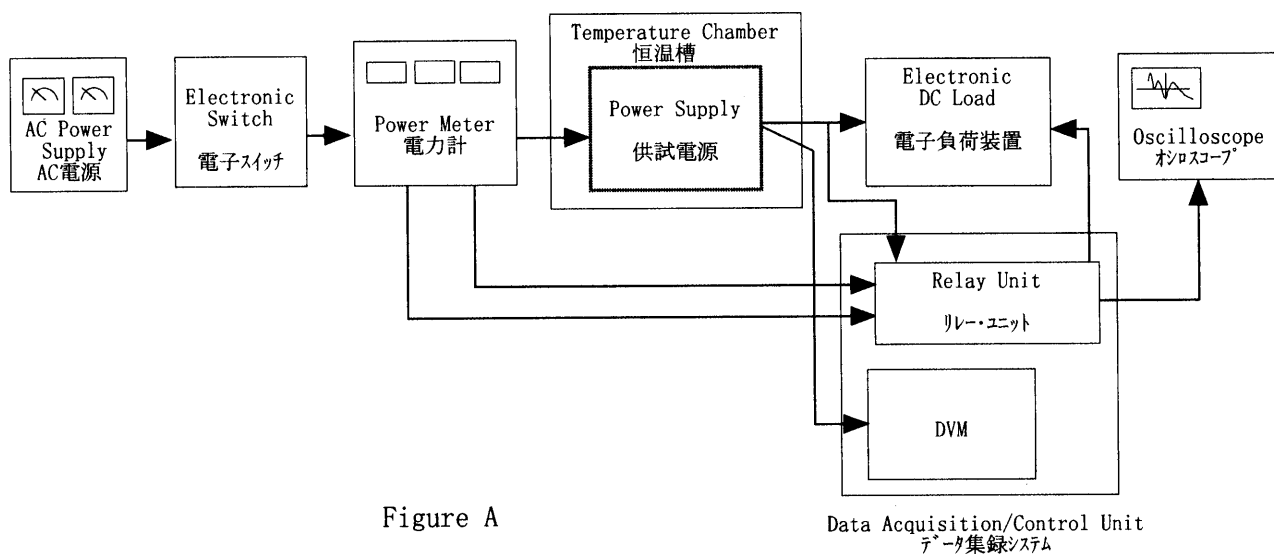


Figure B (DENTORI)

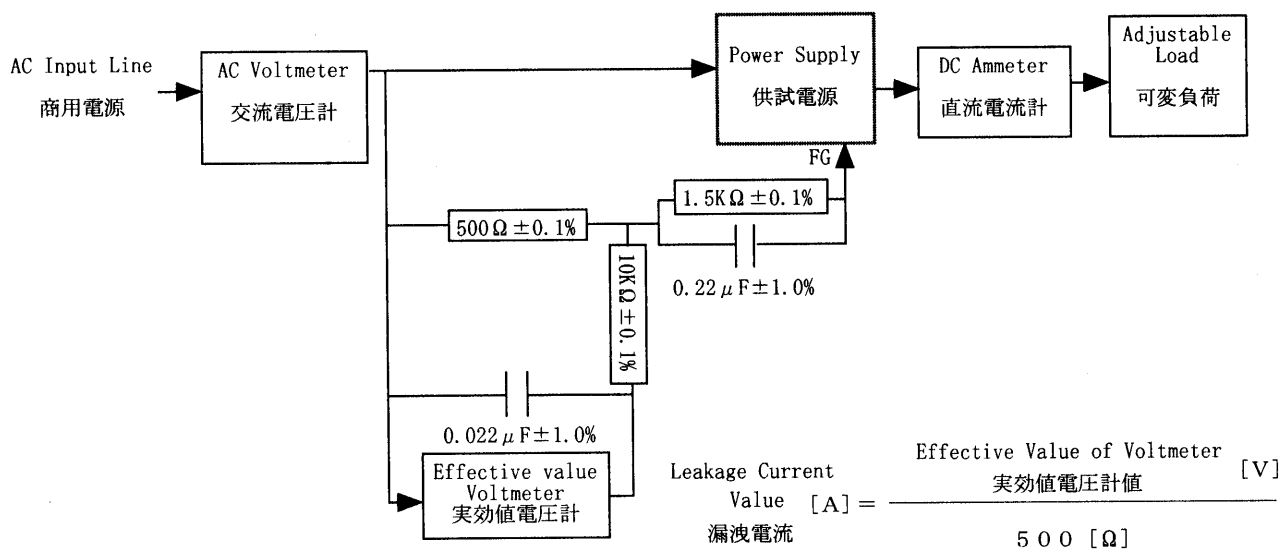


Figure B (IEC 60950)

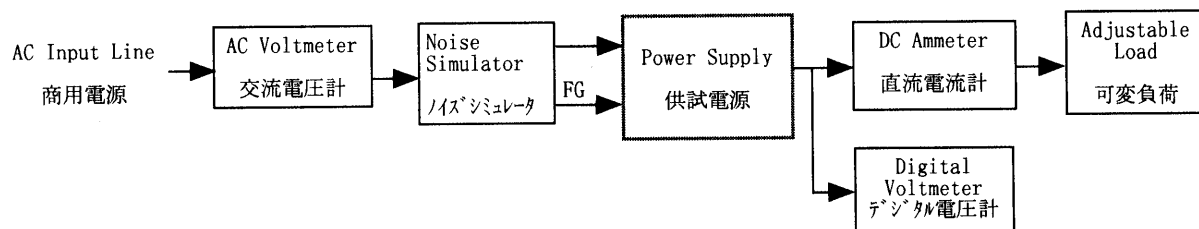


Figure C

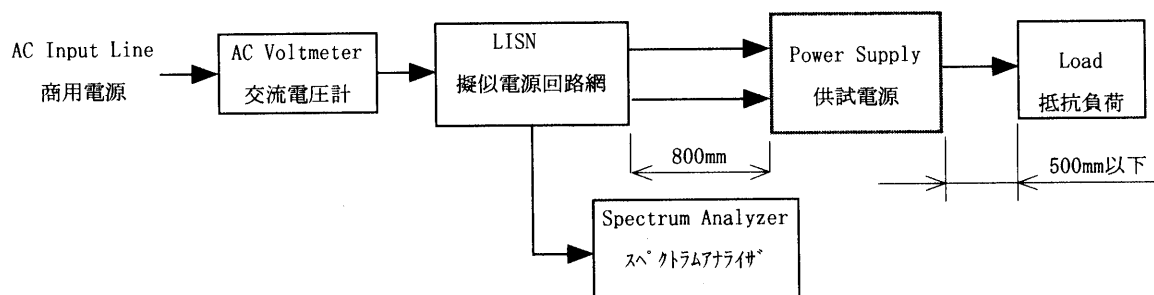


Figure D

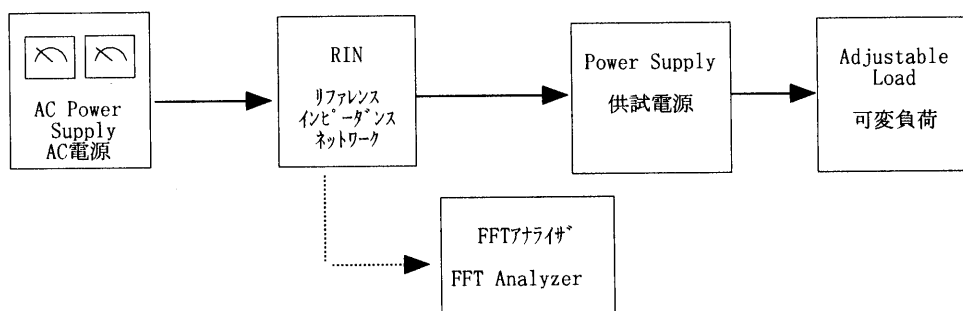


Figure E