



TEST DATA OF LEA100F-18 (200V INPUT)

Regulated DC Power Supply
May 21, 2002

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COSEL CO.,LTD.



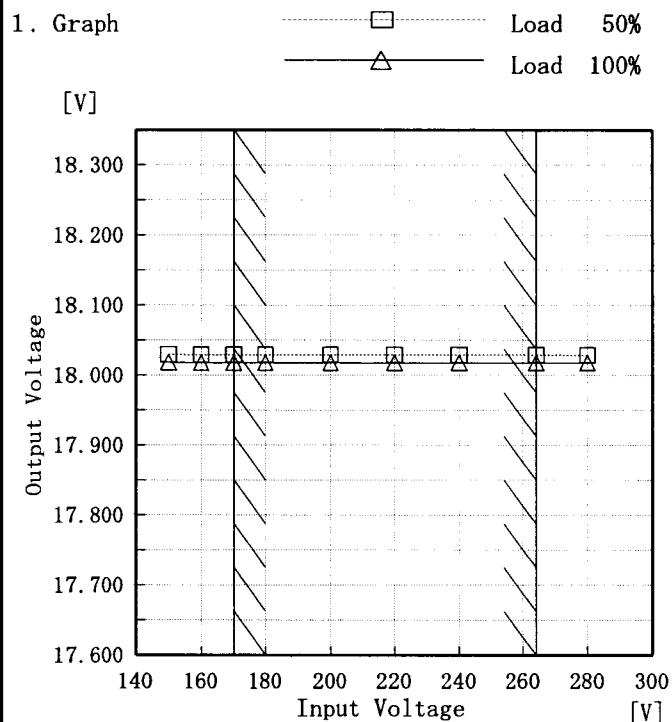
CONTENTS

| | |
|------------------------------------------------------------------|----|
| 1. Line Regulation | 1 |
| 静的入力変動 | |
| 2. Input Current (by Load Current) | 2 |
| 入力電流 (負荷特性) | |
| 3. Input Power (by Load Current) | 3 |
| 入力電力 (負荷特性) | |
| 4. Efficiency (by Input Voltage) | 4 |
| 効率 (入力電圧特性) | |
| 5. Efficiency (by Load Current) | 5 |
| 効率 (負荷特性) | |
| 6. Power Factor (by Input Voltage) | 6 |
| 力率 (入力電圧特性) | |
| 7. Power Factor (by Load Current) | 7 |
| 力率 (負荷特性) | |
| 8. Hold-Up Time | 8 |
| 出力保持時間 | |
| 9. Instantaneous Interruption Compensation | 9 |
| 瞬時停電保障 | |
| 10. Load Regulation | 10 |
| 静的負荷変動 | |
| 11. Ripple Voltage (by Load Current) | 11 |
| リップル電圧 (負荷特性) | |
| 12. Ripple-Noise | 12 |
| リップルノイズ | |
| 13. Overcurrent Protection | 13 |
| 過電流保護 | |
| 14. Overvoltage Protection | 14 |
| 過電圧保護 | |
| 15. Inrush Current | 15 |
| 突入電流 | |
| 16. Dynamic Load Response | 16 |
| 動的負荷変動 | |
| 17. Rise and Fall Time | 17 |
| 立ち上り、立下り時間 | |
| 18. Ambient Temperature Drift | 18 |
| 周囲温度変動 | |
| 19. Minimum Input Voltage for Regulated Output Voltage | 19 |
| 最低レギュレーション電圧 | |
| 20. Ripple Voltage (by Ambient Temperature) | 20 |
| リップル電圧 (周囲温度特性) | |
| 21. Time Lapse Drift | 21 |
| 経時ドリフト | |
| 22. Output Voltage Accuracy | 22 |
| 定電圧精度 | |
| 23. Harmonic Current | 23 |
| 高調波電流 | |
| 24. Leakage Current | 25 |
| 漏洩電流 | |
| 25. Line Noise Tolerance | 26 |
| 入力雑音耐量 | |
| 26. Conducted Emission | 27 |
| 雑音端子電圧 | |
| 27. Figure of Testing Circuitry | 28 |
| 測定回路図 | |

(Final Page 29)

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| | |
|--------|---------------------------|
| Model | LEA100F-18 |
| Item | Line Regulation 静的入力変動 |
| Object | +18.0V 5.6A |



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。

Temperature 25°C
Testing Circuitry Figure A

2. Values

| Input Voltage [V] | Output Voltage [V] | |
|-------------------|--------------------|-----------|
| | Load 50% | Load 100% |
| 150 | 18.030 | 18.018 |
| 160 | 18.029 | 18.018 |
| 170 | 18.029 | 18.018 |
| 180 | 18.029 | 18.018 |
| 200 | 18.029 | 18.018 |
| 220 | 18.029 | 18.018 |
| 240 | 18.029 | 18.018 |
| 264 | 18.029 | 18.018 |
| 280 | 18.029 | 18.018 |

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| Model | LEA100F-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|------------------|-------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Input Current (by Load Current) 入力電流（負荷特性） | Temperature Testing Circuitry | 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Input Volt. 170V Input Volt. 200V Input Volt. 264V</p> <table> <thead> <tr> <th>Load Current [A]</th> <th>170[V]</th> <th>200[V]</th> <th>264[V]</th> </tr> </thead> <tbody> <tr><td>0.00</td><td>0.066</td><td>0.071</td><td>0.091</td></tr> <tr><td>0.80</td><td>0.177</td><td>0.161</td><td>0.147</td></tr> <tr><td>1.60</td><td>0.279</td><td>0.248</td><td>0.212</td></tr> <tr><td>2.40</td><td>0.374</td><td>0.329</td><td>0.273</td></tr> <tr><td>3.20</td><td>0.468</td><td>0.408</td><td>0.332</td></tr> <tr><td>4.00</td><td>0.562</td><td>0.488</td><td>0.392</td></tr> <tr><td>4.80</td><td>0.657</td><td>0.568</td><td>0.452</td></tr> <tr><td>5.60</td><td>0.753</td><td>0.650</td><td>0.514</td></tr> <tr><td>6.16</td><td>0.818</td><td>0.706</td><td>0.555</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] | 170[V] | 200[V] | 264[V] | 0.00 | 0.066 | 0.071 | 0.091 | 0.80 | 0.177 | 0.161 | 0.147 | 1.60 | 0.279 | 0.248 | 0.212 | 2.40 | 0.374 | 0.329 | 0.273 | 3.20 | 0.468 | 0.408 | 0.332 | 4.00 | 0.562 | 0.488 | 0.392 | 4.80 | 0.657 | 0.568 | 0.452 | 5.60 | 0.753 | 0.650 | 0.514 | 6.16 | 0.818 | 0.706 | 0.555 | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| Load Current [A] | 170[V] | 200[V] | 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 0.066 | 0.071 | 0.091 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 0.177 | 0.161 | 0.147 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 0.279 | 0.248 | 0.212 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 0.374 | 0.329 | 0.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 0.468 | 0.408 | 0.332 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 0.562 | 0.488 | 0.392 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 6.16 | 0.818 | 0.706 | 0.555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Load Current [A] | Input Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 170[V] | 200[V] | 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 0.066 | 0.071 | 0.091 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1.60 | 0.279 | 0.248 | 0.212 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 0.374 | 0.329 | 0.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4.80 | 0.657 | 0.568 | 0.452 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| Model | LEA100F-18 | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------------|----------------------|----------------------|----------------------|--------------------|--------------------|--------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Input Power (by Load Current) 入力電力 (負荷特性) | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p style="text-align: center;"> △ Input Volt. 170V □ Input Volt. 200V ○ Input Volt. 264V </p> <table border="1"> <caption>Data points from Figure A graph</caption> <thead> <tr> <th>Load Current [A]</th> <th>Input Power 170V [W]</th> <th>Input Power 200V [W]</th> <th>Input Power 264V [W]</th> </tr> </thead> <tbody> <tr><td>0.00</td><td>5.50</td><td>6.00</td><td>8.70</td></tr> <tr><td>0.80</td><td>23.90</td><td>23.90</td><td>24.20</td></tr> <tr><td>1.60</td><td>41.10</td><td>41.00</td><td>41.10</td></tr> <tr><td>2.40</td><td>57.40</td><td>57.20</td><td>57.10</td></tr> <tr><td>3.20</td><td>73.30</td><td>73.00</td><td>72.70</td></tr> <tr><td>4.00</td><td>89.60</td><td>89.20</td><td>88.60</td></tr> <tr><td>4.80</td><td>105.90</td><td>105.30</td><td>104.50</td></tr> <tr><td>5.60</td><td>122.60</td><td>122.00</td><td>121.00</td></tr> <tr><td>6.16</td><td>133.90</td><td>133.20</td><td>132.00</td></tr> </tbody> </table> | | | Load Current [A] | Input Power 170V [W] | Input Power 200V [W] | Input Power 264V [W] | 0.00 | 5.50 | 6.00 | 8.70 | 0.80 | 23.90 | 23.90 | 24.20 | 1.60 | 41.10 | 41.00 | 41.10 | 2.40 | 57.40 | 57.20 | 57.10 | 3.20 | 73.30 | 73.00 | 72.70 | 4.00 | 89.60 | 89.20 | 88.60 | 4.80 | 105.90 | 105.30 | 104.50 | 5.60 | 122.60 | 122.00 | 121.00 | 6.16 | 133.90 | 133.20 | 132.00 | | | | | | | | | | | | | | | |
| Load Current [A] | Input Power 170V [W] | Input Power 200V [W] | Input Power 264V [W] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 5.50 | 6.00 | 8.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 23.90 | 23.90 | 24.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 41.10 | 41.00 | 41.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 57.40 | 57.20 | 57.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 73.30 | 73.00 | 72.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 89.60 | 89.20 | 88.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.80 | 105.90 | 105.30 | 104.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | 122.60 | 122.00 | 121.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.16 | 133.90 | 133.20 | 132.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Load Current [A] | Input Power [W] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 5.50 | 6.00 | 8.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 23.90 | 23.90 | 24.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 41.10 | 41.00 | 41.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 57.40 | 57.20 | 57.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 73.30 | 73.00 | 72.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 89.60 | 89.20 | 88.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.80 | 105.90 | 105.30 | 104.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | 122.60 | 122.00 | 121.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.16 | 133.90 | 133.20 | 132.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

(注)斜線は定格負荷電流範囲を示す。

COSEL

| Model | LEA100F-18 | | Temperature Testing Circuitry | 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------|-------------------|----------------|--|----------|-----------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| Item | Efficiency (by Input Voltage) 効率(入力電圧特性) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Efficiency [%]</p> <p>Input Voltage [V]</p> <p>Load 50% (Squares)</p> <p>Load 100% (Triangles)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <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>150</td> <td>76.9</td> <td>81.9</td> </tr> <tr> <td>160</td> <td>77.1</td> <td>82.3</td> </tr> <tr> <td>170</td> <td>77.2</td> <td>82.5</td> </tr> <tr> <td>180</td> <td>77.3</td> <td>82.7</td> </tr> <tr> <td>200</td> <td>77.5</td> <td>83.0</td> </tr> <tr> <td>220</td> <td>77.8</td> <td>83.3</td> </tr> <tr> <td>240</td> <td>77.8</td> <td>83.6</td> </tr> <tr> <td>264</td> <td>77.8</td> <td>83.7</td> </tr> <tr> <td>280</td> <td>77.9</td> <td>83.9</td> </tr> </tbody> </table> | | | Input Voltage [V] | Efficiency [%] | | Load 50% | Load 100% | 150 | 76.9 | 81.9 | 160 | 77.1 | 82.3 | 170 | 77.2 | 82.5 | 180 | 77.3 | 82.7 | 200 | 77.5 | 83.0 | 220 | 77.8 | 83.3 | 240 | 77.8 | 83.6 | 264 | 77.8 | 83.7 | 280 | 77.9 | 83.9 |
| Input Voltage [V] | Efficiency [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 76.9 | 81.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 77.1 | 82.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | 77.2 | 82.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 77.3 | 82.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 77.5 | 83.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 77.8 | 83.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 77.8 | 83.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 77.8 | 83.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | 77.9 | 83.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| Model | LEA100F-18 | Temperature Testing Circuitry 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|-----------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Item | Efficiency (by Load Current) 効率(負荷特性) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Efficiency [%] vs Load Current [A]</p> <ul style="list-style-type: none"> Input Volt. 170V (△) Input Volt. 200V (□) Input Volt. 264V (○) <table border="1"> <thead> <tr> <th>Load Current [A]</th> <th>Efficiency 170[V] [%]</th> <th>Efficiency 200[V] [%]</th> <th>Efficiency 264[V] [%]</th> </tr> </thead> <tbody> <tr><td>0.80</td><td>60.7</td><td>60.7</td><td>59.9</td></tr> <tr><td>1.60</td><td>70.2</td><td>70.3</td><td>70.1</td></tr> <tr><td>2.40</td><td>75.5</td><td>75.8</td><td>75.9</td></tr> <tr><td>3.20</td><td>78.7</td><td>79.0</td><td>79.3</td></tr> <tr><td>4.00</td><td>80.6</td><td>80.9</td><td>81.5</td></tr> <tr><td>4.80</td><td>81.7</td><td>82.1</td><td>82.8</td></tr> <tr><td>5.60</td><td>82.5</td><td>83.0</td><td>83.6</td></tr> <tr><td>6.16</td><td>82.8</td><td>83.2</td><td>84.0</td></tr> </tbody> </table> | Load Current [A] | Efficiency 170[V] [%] | Efficiency 200[V] [%] | Efficiency 264[V] [%] | 0.80 | 60.7 | 60.7 | 59.9 | 1.60 | 70.2 | 70.3 | 70.1 | 2.40 | 75.5 | 75.8 | 75.9 | 3.20 | 78.7 | 79.0 | 79.3 | 4.00 | 80.6 | 80.9 | 81.5 | 4.80 | 81.7 | 82.1 | 82.8 | 5.60 | 82.5 | 83.0 | 83.6 | 6.16 | 82.8 | 83.2 | 84.0 |
| Load Current [A] | Efficiency 170[V] [%] | Efficiency 200[V] [%] | Efficiency 264[V] [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 60.7 | 60.7 | 59.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 70.2 | 70.3 | 70.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 75.5 | 75.8 | 75.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 78.7 | 79.0 | 79.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 80.6 | 80.9 | 81.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.80 | 81.7 | 82.1 | 82.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | 82.5 | 83.0 | 83.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.16 | 82.8 | 83.2 | 84.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

(注)斜線は定格負荷電流範囲を示す。

COSEL

| Model | LEA100F-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|-------------------|--------------|--|----------|-----------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| Item | Power Factor (by Input Voltage) 力率(入力電圧特性) | Temperature Testing Circuitry 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th> <th colspan="2">Power Factor</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr> <td>150</td><td>0.93</td><td>0.97</td></tr> <tr> <td>160</td><td>0.92</td><td>0.96</td></tr> <tr> <td>170</td><td>0.91</td><td>0.96</td></tr> <tr> <td>180</td><td>0.90</td><td>0.95</td></tr> <tr> <td>200</td><td>0.88</td><td>0.94</td></tr> <tr> <td>220</td><td>0.86</td><td>0.93</td></tr> <tr> <td>240</td><td>0.84</td><td>0.91</td></tr> <tr> <td>264</td><td>0.81</td><td>0.89</td></tr> <tr> <td>280</td><td>0.78</td><td>0.87</td></tr> </tbody> </table> | | | Input Voltage [V] | Power Factor | | Load 50% | Load 100% | 150 | 0.93 | 0.97 | 160 | 0.92 | 0.96 | 170 | 0.91 | 0.96 | 180 | 0.90 | 0.95 | 200 | 0.88 | 0.94 | 220 | 0.86 | 0.93 | 240 | 0.84 | 0.91 | 264 | 0.81 | 0.89 | 280 | 0.78 | 0.87 |
| Input Voltage [V] | Power Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 0.93 | 0.97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 0.92 | 0.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | 0.91 | 0.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 0.90 | 0.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 0.88 | 0.94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 0.86 | 0.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 0.84 | 0.91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 0.81 | 0.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | 0.78 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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。

COSEL

| Model | LEA100F-18 | Temperature Testing Circuitry | 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|---------------------|--------------|--|--|-----------------------|-----------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Power Factor (by Load Current) 力率 (負荷特性) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Input Volt. 170V Input Volt. 200V Input Volt. 264V</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="3">Power Factor</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>0.00</td><td>0.49</td><td>0.42</td><td>0.36</td></tr> <tr><td>0.80</td><td>0.80</td><td>0.74</td><td>0.62</td></tr> <tr><td>1.60</td><td>0.87</td><td>0.83</td><td>0.74</td></tr> <tr><td>2.40</td><td>0.90</td><td>0.87</td><td>0.79</td></tr> <tr><td>3.20</td><td>0.92</td><td>0.90</td><td>0.83</td></tr> <tr><td>4.00</td><td>0.94</td><td>0.91</td><td>0.86</td></tr> <tr><td>4.80</td><td>0.95</td><td>0.93</td><td>0.88</td></tr> <tr><td>5.60</td><td>0.96</td><td>0.94</td><td>0.89</td></tr> <tr><td>6.16</td><td>0.96</td><td>0.94</td><td>0.90</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] | Power Factor | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 0.00 | 0.49 | 0.42 | 0.36 | 0.80 | 0.80 | 0.74 | 0.62 | 1.60 | 0.87 | 0.83 | 0.74 | 2.40 | 0.90 | 0.87 | 0.79 | 3.20 | 0.92 | 0.90 | 0.83 | 4.00 | 0.94 | 0.91 | 0.86 | 4.80 | 0.95 | 0.93 | 0.88 | 5.60 | 0.96 | 0.94 | 0.89 | 6.16 | 0.96 | 0.94 | 0.90 | — | — | — | — | — | — | — | — | — | — | — | — |
| Load Current [A] | Power Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 0.49 | 0.42 | 0.36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 0.80 | 0.74 | 0.62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 0.87 | 0.83 | 0.74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 0.90 | 0.87 | 0.79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 0.92 | 0.90 | 0.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 0.94 | 0.91 | 0.86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.80 | 0.95 | 0.93 | 0.88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | 0.96 | 0.94 | 0.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.16 | 0.96 | 0.94 | 0.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

(注)斜線は定格負荷電流範囲を示す。

COSEL

| Model | LEA100F-18 | Temperature Testing Circuitry | 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|-------------------|-------------------|--|----------|-----------|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|
| Item | Hold-Up Time 出力保持時間 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18.0V 5.6A | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p style="text-align: center;">Load 50% Load 100%</p> | <table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th> <th colspan="2">Hold-up Time [ms]</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr><td>150</td><td>69</td><td>34</td></tr> <tr><td>160</td><td>70</td><td>34</td></tr> <tr><td>170</td><td>70</td><td>35</td></tr> <tr><td>180</td><td>71</td><td>35</td></tr> <tr><td>200</td><td>71</td><td>36</td></tr> <tr><td>220</td><td>72</td><td>36</td></tr> <tr><td>240</td><td>73</td><td>36</td></tr> <tr><td>264</td><td>73</td><td>37</td></tr> <tr><td>280</td><td>73</td><td>37</td></tr> </tbody> </table> | | | Input Voltage [V] | Hold-up Time [ms] | | Load 50% | Load 100% | 150 | 69 | 34 | 160 | 70 | 34 | 170 | 70 | 35 | 180 | 71 | 35 | 200 | 71 | 36 | 220 | 72 | 36 | 240 | 73 | 36 | 264 | 73 | 37 | 280 | 73 | 37 |
| Input Voltage [V] | Hold-up Time [ms] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 69 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 70 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | 70 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 71 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 71 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 72 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 73 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 73 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | 73 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 input voltage.

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。

(注)斜線は定格入力電圧範囲を示す。

COSEL

| Model | LEA100F-18 | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|--|------------------|-----------|--|--|--------------------|--------------------|--------------------|------|---|---|---|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|---|---|---|---|---|---|---|---|
| Item | Instantaneous Interruption Compensation 瞬時停電保障 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18.0V 5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | 2. Values <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="3">Time [mS]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>0.00</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>0.80</td><td>312</td><td>314</td><td>318</td></tr> <tr><td>1.60</td><td>172</td><td>176</td><td>178</td></tr> <tr><td>2.40</td><td>121</td><td>122</td><td>125</td></tr> <tr><td>3.20</td><td>89</td><td>95</td><td>96</td></tr> <tr><td>4.00</td><td>72</td><td>77</td><td>78</td></tr> <tr><td>4.80</td><td>63</td><td>64</td><td>64</td></tr> <tr><td>5.60</td><td>54</td><td>55</td><td>56</td></tr> <tr><td>6.16</td><td>47</td><td>50</td><td>51</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] | Time [mS] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 0.00 | — | — | — | 0.80 | 312 | 314 | 318 | 1.60 | 172 | 176 | 178 | 2.40 | 121 | 122 | 125 | 3.20 | 89 | 95 | 96 | 4.00 | 72 | 77 | 78 | 4.80 | 63 | 64 | 64 | 5.60 | 54 | 55 | 56 | 6.16 | 47 | 50 | 51 | — | — | — | — | — | — | — | — |
| Load Current [A] | Time [mS] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 312 | 314 | 318 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 172 | 176 | 178 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 121 | 122 | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 89 | 95 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 72 | 77 | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.80 | 63 | 64 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | 54 | 55 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.16 | 47 | 50 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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。

COSEL

| Model | LEA100F-18 | Temperature Testing Circuitry | 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|---------------------|-----------------------|--|--|-----------------------|-----------------------|-----------------------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|---|---|---|---|
| Item | Load Regulation 静的負荷変動 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18.0V 5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>—△— Input Volt. 170 V</p> <p>—□— Input Volt. 200 V</p> <p>—○— Input Volt. 264 V</p> | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="3">Output Voltage [V]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr> <td>0.00</td><td>18.043</td><td>18.042</td><td>18.042</td></tr> <tr> <td>0.80</td><td>18.039</td><td>18.038</td><td>18.038</td></tr> <tr> <td>1.60</td><td>18.035</td><td>18.035</td><td>18.035</td></tr> <tr> <td>2.40</td><td>18.032</td><td>18.032</td><td>18.031</td></tr> <tr> <td>3.20</td><td>18.029</td><td>18.028</td><td>18.028</td></tr> <tr> <td>4.00</td><td>18.026</td><td>18.025</td><td>18.025</td></tr> <tr> <td>4.80</td><td>18.023</td><td>18.022</td><td>18.022</td></tr> <tr> <td>5.60</td><td>18.019</td><td>18.019</td><td>18.019</td></tr> <tr> <td>6.16</td><td>18.017</td><td>18.017</td><td>18.017</td></tr> <tr> <td>—</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table> | | | Load Current [A] | Output Voltage [V] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 0.00 | 18.043 | 18.042 | 18.042 | 0.80 | 18.039 | 18.038 | 18.038 | 1.60 | 18.035 | 18.035 | 18.035 | 2.40 | 18.032 | 18.032 | 18.031 | 3.20 | 18.029 | 18.028 | 18.028 | 4.00 | 18.026 | 18.025 | 18.025 | 4.80 | 18.023 | 18.022 | 18.022 | 5.60 | 18.019 | 18.019 | 18.019 | 6.16 | 18.017 | 18.017 | 18.017 | — | — | — | — |
| Load Current [A] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 18.043 | 18.042 | 18.042 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.80 | 18.039 | 18.038 | 18.038 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.60 | 18.035 | 18.035 | 18.035 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.40 | 18.032 | 18.032 | 18.031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.20 | 18.029 | 18.028 | 18.028 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | 18.026 | 18.025 | 18.025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.80 | 18.023 | 18.022 | 18.022 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | 18.019 | 18.019 | 18.019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.16 | 18.017 | 18.017 | 18.017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

(注)斜線は定格負荷電流範囲を示す。

COSEL

| Model | LEA100F-18 | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|--|---------------------|---------------------|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|----|----|----|----|----|----|
| Item | Ripple Voltage (by Load Current) リップル電圧 (負荷特性) | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18V5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="2">Ripple Voltage [mV]</th> </tr> <tr> <th>Input Volt. 170 [V]</th> <th>Input Volt. 264 [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>10</td><td>10</td></tr> <tr><td>0.8</td><td>29</td><td>29</td></tr> <tr><td>1.6</td><td>35</td><td>33</td></tr> <tr><td>2.4</td><td>37</td><td>35</td></tr> <tr><td>3.2</td><td>38</td><td>36</td></tr> <tr><td>4.0</td><td>40</td><td>37</td></tr> <tr><td>4.8</td><td>40</td><td>39</td></tr> <tr><td>5.6</td><td>41</td><td>40</td></tr> <tr><td>6.0</td><td>43</td><td>42</td></tr> <tr><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td></tr> </tbody> </table> | Load Current [A] | Ripple Voltage [mV] | | Input Volt. 170 [V] | Input Volt. 264 [V] | 0.0 | 10 | 10 | 0.8 | 29 | 29 | 1.6 | 35 | 33 | 2.4 | 37 | 35 | 3.2 | 38 | 36 | 4.0 | 40 | 37 | 4.8 | 40 | 39 | 5.6 | 41 | 40 | 6.0 | 43 | 42 | -- | -- | -- | -- | -- | -- |
| Load Current [A] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170 [V] | Input Volt. 264 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.8 | 29 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | 35 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 37 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.2 | 38 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 40 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.8 | 40 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.6 | 41 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 43 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Ripple Voltage is shown as p-p in the figure below.</p> <p>Note: Slanted line shows the range of the rated load current.</p> <p>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。</p> <p>T1: Due to AC Input Line 入力商用周期 T2: Due to Switching スイッチング周期</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

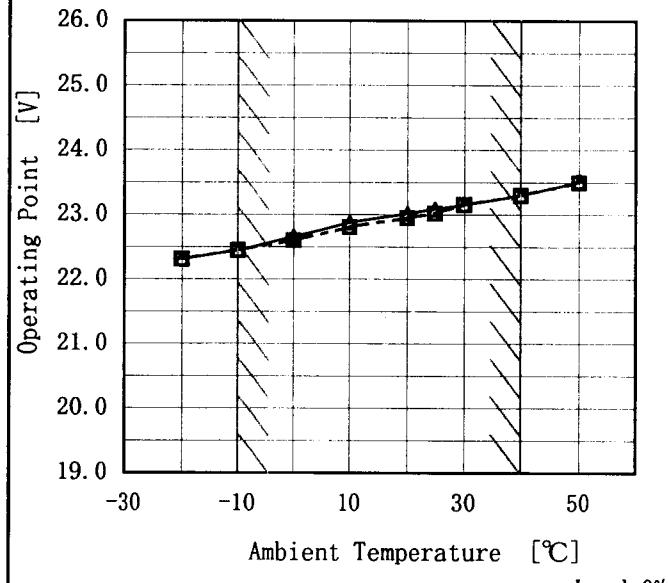
COSEL

| Model | LEA100F-18 | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|--|---------------------|---------------------|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|---|---|---|---|---|---|
| Item | Ripple-Noise リップルノイズ | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18V 5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Graph showing Ripple-Noise [mV] vs Load Current [A]. The Y-axis ranges from 0 to 100 mV, and the X-axis ranges from 0 to 6 A. Two curves are plotted: one for Input Volt. 170V (solid line with triangle markers) and one for Input Volt. 264V (dashed line with circle markers). Both curves show an increase in noise with load current. A slanted line indicates the rated load current range.</p> | | | <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="2">Ripple-Noise [mV]</th> </tr> <tr> <th>Input Volt. 170 [V]</th> <th>Input Volt. 264 [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>26</td><td>26</td></tr> <tr><td>0.8</td><td>47</td><td>42</td></tr> <tr><td>1.6</td><td>56</td><td>48</td></tr> <tr><td>2.4</td><td>60</td><td>54</td></tr> <tr><td>3.2</td><td>62</td><td>58</td></tr> <tr><td>4.0</td><td>64</td><td>59</td></tr> <tr><td>4.8</td><td>67</td><td>62</td></tr> <tr><td>5.6</td><td>68</td><td>66</td></tr> <tr><td>6.0</td><td>69</td><td>67</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </tbody> </table> | Load Current [A] | Ripple-Noise [mV] | | Input Volt. 170 [V] | Input Volt. 264 [V] | 0.0 | 26 | 26 | 0.8 | 47 | 42 | 1.6 | 56 | 48 | 2.4 | 60 | 54 | 3.2 | 62 | 58 | 4.0 | 64 | 59 | 4.8 | 67 | 62 | 5.6 | 68 | 66 | 6.0 | 69 | 67 | — | — | — | — | — | — |
| Load Current [A] | Ripple-Noise [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170 [V] | Input Volt. 264 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 26 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.8 | 47 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | 56 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 60 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.2 | 62 | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 64 | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.8 | 67 | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.6 | 68 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 69 | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Ripple-Noise is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p> <p>リップルノイズは、下図 p - p 値で示される。 (注) 斜線は定格負荷電流範囲を示す。</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>T1: Due to AC Input Line 入力商用周期 T2: Due to Switching スイッチング周期</p> <p>Diagram illustrating the complex Ripple Wave Form. The waveform shows a periodic pattern with two time intervals labeled T1 and T2. T1 represents the full period of the waveform, while T2 represents a shorter interval within one cycle, indicating the switching period.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| Model | LEA100F-18 | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|------------------|--------------------|------------------|--|--|--------------------|--------------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Overcurrent Protection 過電流保護 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18V5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Output Voltage [V]</p> <p>Load Current [A]</p> | Input Volt. 170V | Input Volt. 200V | Input Volt. 264V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <table border="1"> <thead> <tr> <th rowspan="2">Output Voltage [V]</th> <th colspan="3">Load Current [A]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>18.0</td><td>6.93</td><td>6.97</td><td>6.98</td></tr> <tr><td>17.1</td><td>7.02</td><td>7.05</td><td>7.07</td></tr> <tr><td>16.2</td><td>7.11</td><td>7.14</td><td>7.16</td></tr> <tr><td>14.4</td><td>7.24</td><td>7.27</td><td>7.29</td></tr> <tr><td>12.6</td><td>7.19</td><td>7.22</td><td>7.23</td></tr> <tr><td>10.8</td><td>7.26</td><td>7.29</td><td>7.30</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> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table> | | | | Output Voltage [V] | Load Current [A] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 18.0 | 6.93 | 6.97 | 6.98 | 17.1 | 7.02 | 7.05 | 7.07 | 16.2 | 7.11 | 7.14 | 7.16 | 14.4 | 7.24 | 7.27 | 7.29 | 12.6 | 7.19 | 7.22 | 7.23 | 10.8 | 7.26 | 7.29 | 7.30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Output Voltage [V] | Load Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18.0 | 6.93 | 6.97 | 6.98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17.1 | 7.02 | 7.05 | 7.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16.2 | 7.11 | 7.14 | 7.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14.4 | 7.24 | 7.27 | 7.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.6 | 7.19 | 7.22 | 7.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.8 | 7.26 | 7.29 | 7.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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。) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Intermittent operation occurs when the output voltage is from 10.5V to 0V. 10.5V~0V間は、間欠モードとなる。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

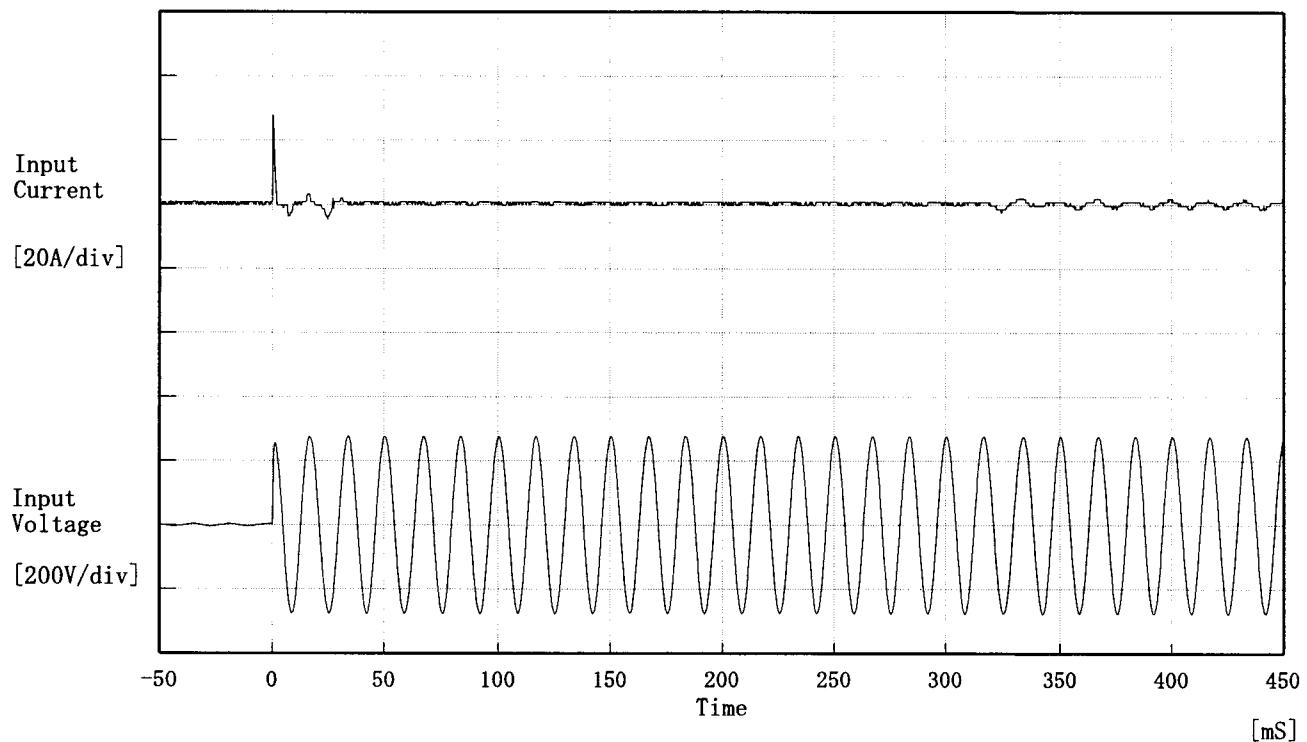
| Model Item Object | LEA100F-18 | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|--------------------------|---------------------|--|--|--------------------|--------------------|--------------------|-----|-------|-------|-------|-----|-------|-------|-------|---|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|----|----|----|----|----|----|----|
| | Overvoltage Protection 過電圧保護 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | +18V5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>—△— Input Volt. 170V - - -□- Input Volt. 200V - - ○- Input Volt. 264V</p>  <p>Operating Point [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 0%</p> | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th> <th colspan="3">Operating Point [V]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>-20</td><td>22.31</td><td>22.31</td><td>22.31</td></tr> <tr><td>-10</td><td>22.45</td><td>22.45</td><td>22.45</td></tr> <tr><td>0</td><td>22.66</td><td>22.60</td><td>22.60</td></tr> <tr><td>10</td><td>22.88</td><td>22.81</td><td>22.81</td></tr> <tr><td>20</td><td>23.02</td><td>22.95</td><td>22.95</td></tr> <tr><td>25</td><td>23.09</td><td>23.02</td><td>23.02</td></tr> <tr><td>30</td><td>23.16</td><td>23.16</td><td>23.16</td></tr> <tr><td>40</td><td>23.30</td><td>23.30</td><td>23.30</td></tr> <tr><td>50</td><td>23.51</td><td>23.50</td><td>23.51</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table> | | | Ambient Temperature [°C] | Operating Point [V] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | -20 | 22.31 | 22.31 | 22.31 | -10 | 22.45 | 22.45 | 22.45 | 0 | 22.66 | 22.60 | 22.60 | 10 | 22.88 | 22.81 | 22.81 | 20 | 23.02 | 22.95 | 22.95 | 25 | 23.09 | 23.02 | 23.02 | 30 | 23.16 | 23.16 | 23.16 | 40 | 23.30 | 23.30 | 23.30 | 50 | 23.51 | 23.50 | 23.51 | -- | -- | -- | -- | -- | -- | -- | -- |
| Ambient Temperature [°C] | Operating Point [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 22.31 | 22.31 | 22.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | 22.45 | 22.45 | 22.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 22.66 | 22.60 | 22.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 22.88 | 22.81 | 22.81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 23.02 | 22.95 | 22.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 23.09 | 23.02 | 23.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 23.16 | 23.16 | 23.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 23.30 | 23.30 | 23.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 23.51 | 23.50 | 23.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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。

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| | | | |
|--------|------------------------|----------------------------------|------------------|
| Model | LEA100F-18 | Temperature Testing Circuitry | 25°C Figure A |
| Item | Inrush Current 突入電流 | | |
| Object | — | | |



Input Voltage 200 V

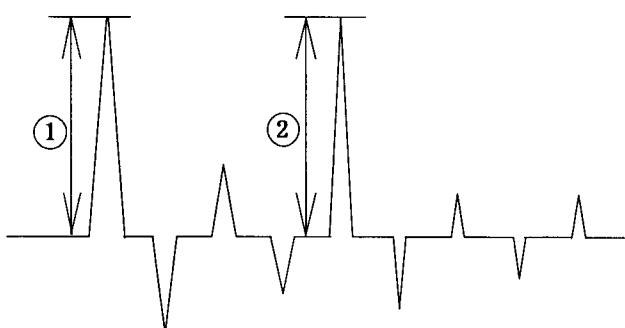
Frequency 60 Hz

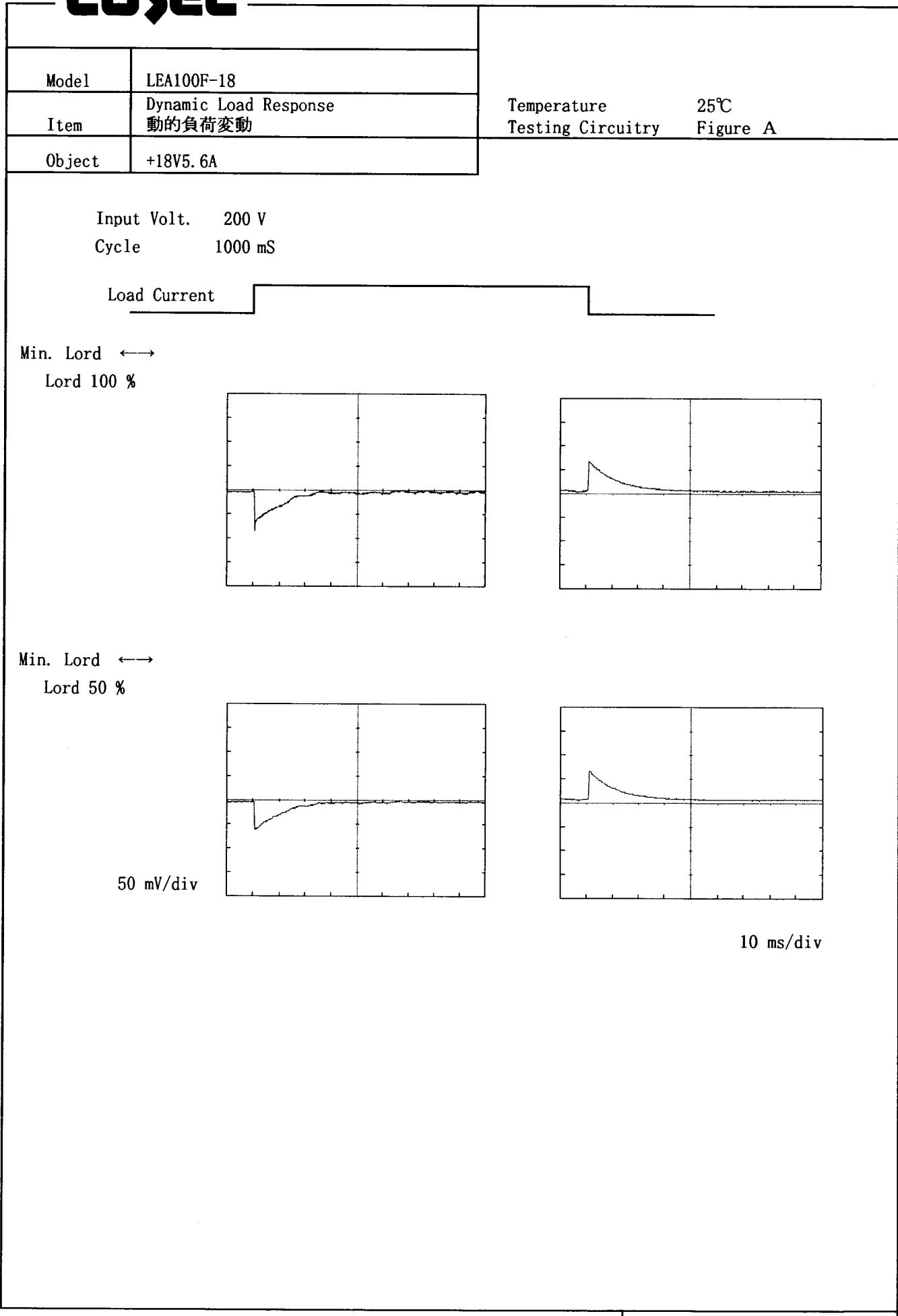
Load 100 %

Inrush Current

① 27.75 [A]

② 2.54 [A]



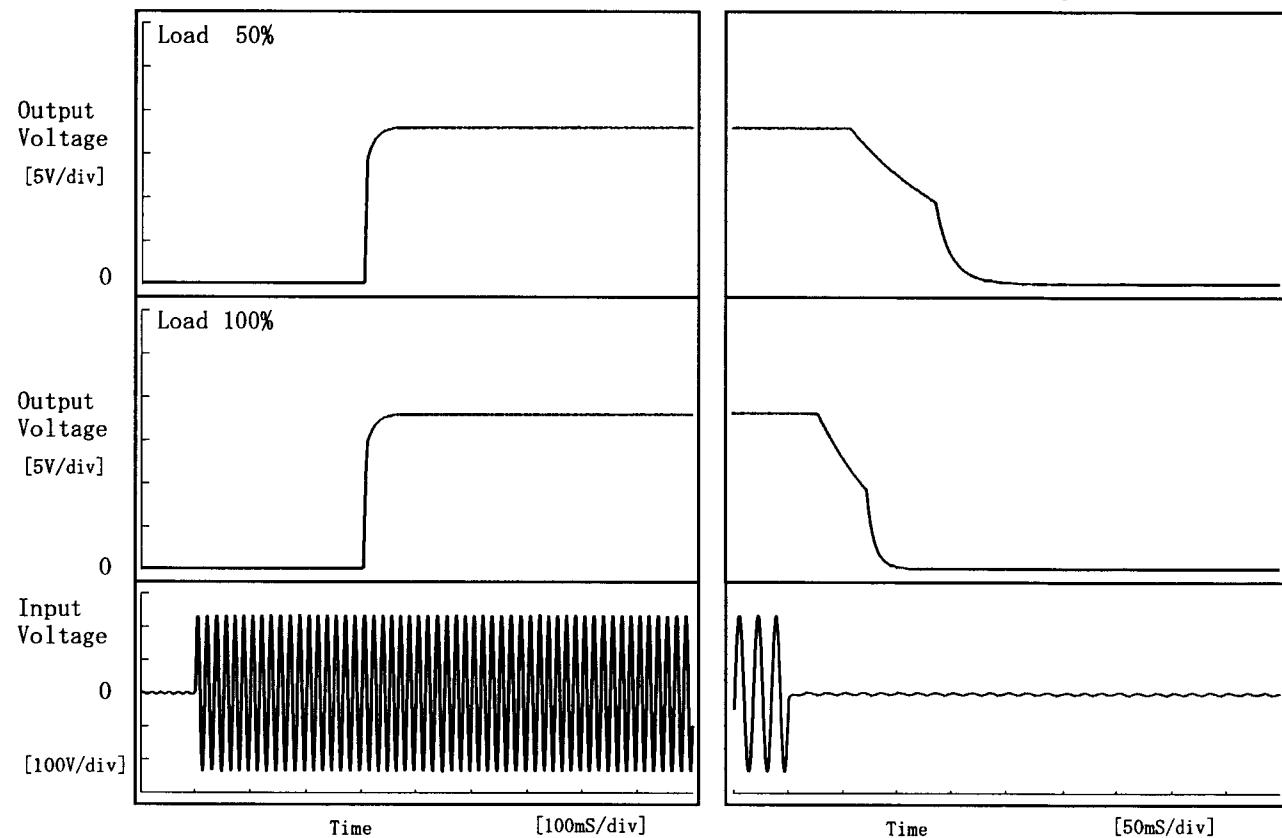
COSEL

COSEL

| | |
|--------|---------------------------------|
| Model | LEA100F-18 |
| Item | Rise and Fall Time 立上り、立下り時間 |
| Object | +18.0V 5.6A |

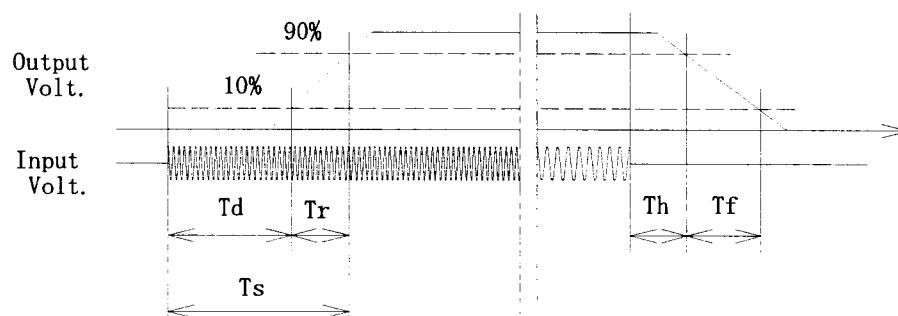
Temperature 25°C
Testing Circuitry Figure A

1. Graph



2. Values

| Load | Time | T _d | T _r | T _s | T _h | T _f | [mS] |
|-------|------|----------------|----------------|----------------|----------------|----------------|------|
| 50 % | | 304.0 | 17.5 | 321.5 | 70.0 | 90.8 | |
| 100 % | | 303.0 | 18.0 | 321.0 | 35.0 | 50.5 | |



COSEL

| Model | LEA100F-18 | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|--|--------------------------|--------------------|--|--|--------------------|--------------------|--------------------|-----|--------|--------|--------|-----|--------|--------|--------|---|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|----|----|----|----|----|----|----|
| Item | Ambient Temperature Drift 周囲温度変動 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18V5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Legend:</p> <ul style="list-style-type: none"> Input Volt. 170V Input Volt. 200V Input Volt. 264V <p>Output Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 100%</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th> <th colspan="3">Output Voltage [V]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr> <td>-20</td><td>18.051</td><td>18.051</td><td>18.050</td></tr> <tr> <td>-10</td><td>18.047</td><td>18.047</td><td>18.047</td></tr> <tr> <td>0</td><td>18.043</td><td>18.043</td><td>18.043</td></tr> <tr> <td>10</td><td>18.038</td><td>18.038</td><td>18.038</td></tr> <tr> <td>20</td><td>18.033</td><td>18.032</td><td>18.032</td></tr> <tr> <td>25</td><td>18.030</td><td>18.030</td><td>18.030</td></tr> <tr> <td>30</td><td>18.026</td><td>18.026</td><td>18.026</td></tr> <tr> <td>40</td><td>18.017</td><td>18.016</td><td>18.016</td></tr> <tr> <td>50</td><td>18.003</td><td>18.003</td><td>18.003</td></tr> <tr> <td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr> <td>--</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table> | | | | Ambient Temperature [°C] | Output Voltage [V] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | -20 | 18.051 | 18.051 | 18.050 | -10 | 18.047 | 18.047 | 18.047 | 0 | 18.043 | 18.043 | 18.043 | 10 | 18.038 | 18.038 | 18.038 | 20 | 18.033 | 18.032 | 18.032 | 25 | 18.030 | 18.030 | 18.030 | 30 | 18.026 | 18.026 | 18.026 | 40 | 18.017 | 18.016 | 18.016 | 50 | 18.003 | 18.003 | 18.003 | -- | -- | -- | -- | -- | -- | -- | -- |
| Ambient Temperature [°C] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 18.051 | 18.051 | 18.050 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | 18.047 | 18.047 | 18.047 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 18.043 | 18.043 | 18.043 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 18.038 | 18.038 | 18.038 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 18.033 | 18.032 | 18.032 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 18.030 | 18.030 | 18.030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 18.026 | 18.026 | 18.026 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 18.017 | 18.016 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 18.003 | 18.003 | 18.003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| Model | LEA100F-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|-------------------|--|----------|-----------|-----|----|----|-----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | +18V5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th> <th colspan="2">Input Voltage [V]</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr> <td>-20</td><td>74</td><td>74</td></tr> <tr> <td>-10</td><td>74</td><td>74</td></tr> <tr> <td>0</td><td>74</td><td>74</td></tr> <tr> <td>10</td><td>74</td><td>74</td></tr> <tr> <td>20</td><td>74</td><td>74</td></tr> <tr> <td>25</td><td>73</td><td>74</td></tr> <tr> <td>30</td><td>73</td><td>74</td></tr> <tr> <td>40</td><td>73</td><td>74</td></tr> <tr> <td>50</td><td>73</td><td>74</td></tr> <tr> <td>--</td><td>--</td><td>--</td></tr> <tr> <td>--</td><td>--</td><td>--</td></tr> </tbody> </table> | | Ambient Temperature [°C] | Input Voltage [V] | | Load 50% | Load 100% | -20 | 74 | 74 | -10 | 74 | 74 | 0 | 74 | 74 | 10 | 74 | 74 | 20 | 74 | 74 | 25 | 73 | 74 | 30 | 73 | 74 | 40 | 73 | 74 | 50 | 73 | 74 | -- | -- | -- | -- | -- | -- |
| Ambient Temperature [°C] | Input Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 74 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | 74 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 74 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 74 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 74 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 73 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 73 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 73 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 73 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| <table border="1"> <tr> <td>Model</td><td>LEA100F-18</td></tr> <tr> <td>Item</td><td>Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)</td></tr> <tr> <td>Object</td><td>+18V5.6A</td></tr> </table> <p>1. Graph</p> <p>Input Volt. 200V</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> | Model | LEA100F-18 | Item | Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性) | Object | +18V5.6A | <p>Testing Circuitry Figure A</p> <p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Ripple Voltage [mV]</th></tr> <tr> <th>Load 50%</th><th>Load 100%</th></tr> </thead> <tbody> <tr><td>-20</td><td>76</td><td>85</td></tr> <tr><td>-10</td><td>65</td><td>69</td></tr> <tr><td>0</td><td>57</td><td>63</td></tr> <tr><td>10</td><td>44</td><td>49</td></tr> <tr><td>20</td><td>37</td><td>42</td></tr> <tr><td>25</td><td>36</td><td>41</td></tr> <tr><td>30</td><td>35</td><td>40</td></tr> <tr><td>40</td><td>33</td><td>35</td></tr> <tr><td>50</td><td>31</td><td>35</td></tr> <tr><td>--</td><td>—</td><td>—</td></tr> <tr><td>--</td><td>—</td><td>—</td></tr> </tbody> </table> | Ambient Temperature [°C] | Ripple Voltage [mV] | | Load 50% | Load 100% | -20 | 76 | 85 | -10 | 65 | 69 | 0 | 57 | 63 | 10 | 44 | 49 | 20 | 37 | 42 | 25 | 36 | 41 | 30 | 35 | 40 | 40 | 33 | 35 | 50 | 31 | 35 | -- | — | — | -- | — | — |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------|------|------------------------------------------------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|--|----------|-----------|-----|----|----|-----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|----|---|---|
| Model | LEA100F-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item | Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18V5.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambient Temperature [°C] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 76 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | 65 | 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 57 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 44 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 37 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 36 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 35 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 33 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 31 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Model | LEA100F-18 | Temperature Testing Circuitry 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------|----------------------|--------------------|------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| Item | Time Lapse Drift 経時ドリフト | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +18.0V 5.6A | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | [V] | 2. Values | | | | | | | | | | | | | | | | | | | | | | |
| <p>The graph plots Output Voltage [V] on the y-axis (17.600 to 18.300) against Time [H] on the x-axis (0 to 10). A single data series is shown as a horizontal line at approximately 18.002V, starting at 0 hours and extending to 8 hours. The plot area has a grid.</p> <table> <tr><td>Input Volt.</td><td>200V</td></tr> <tr><td>Load</td><td>100%</td></tr> </table> | | | Input Volt. | 200V | Load | 100% | | | | | | | | | | | | | | | | | | |
| Input Volt. | 200V | | | | | | | | | | | | | | | | | | | | | | | |
| Load | 100% | | | | | | | | | | | | | | | | | | | | | | | |
| <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>18.028</td></tr> <tr><td>0.5</td><td>18.016</td></tr> <tr><td>1.0</td><td>18.016</td></tr> <tr><td>2.0</td><td>18.016</td></tr> <tr><td>3.0</td><td>18.016</td></tr> <tr><td>4.0</td><td>18.016</td></tr> <tr><td>5.0</td><td>18.016</td></tr> <tr><td>6.0</td><td>18.016</td></tr> <tr><td>7.0</td><td>18.017</td></tr> <tr><td>8.0</td><td>18.017</td></tr> </tbody> </table> | | | Time since start [H] | Output Voltage [V] | 0.0 | 18.028 | 0.5 | 18.016 | 1.0 | 18.016 | 2.0 | 18.016 | 3.0 | 18.016 | 4.0 | 18.016 | 5.0 | 18.016 | 6.0 | 18.016 | 7.0 | 18.017 | 8.0 | 18.017 |
| Time since start [H] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 18.028 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 18.016 | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | 18.017 | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | 18.017 | | | | | | | | | | | | | | | | | | | | | | | |



| | | | |
|--------|----------------------------------|-------------------|----------|
| Model | LEA100F-18 | | |
| Item | Output Voltage Accuracy 定電圧精度 | Testing Circuitry | Figure A |
| Object | +18.0V 5.6A | | |

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 : 170~264 V

Load Current : 0~5.6 A

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

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

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 170~264 V

負荷電流 0~5.6 A

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

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

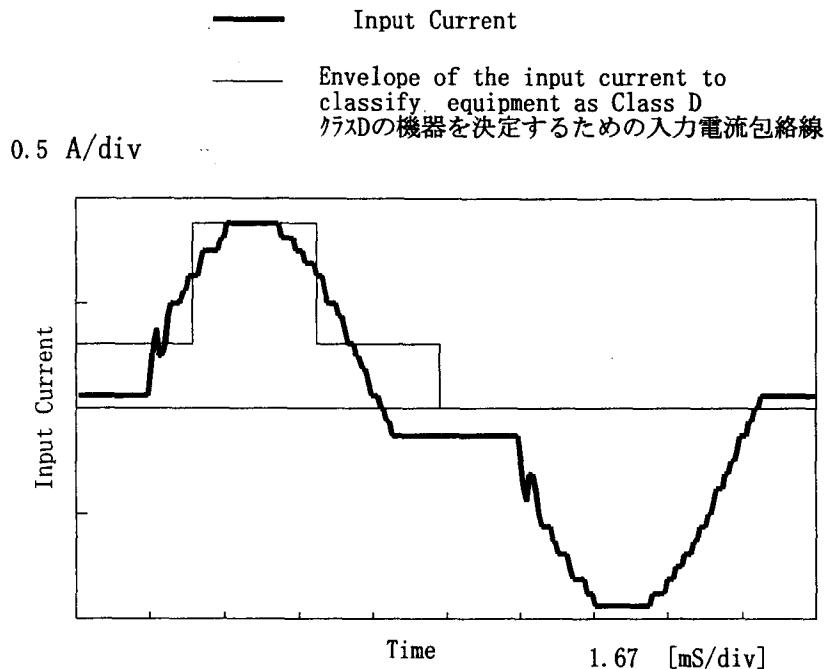
2. Values

| Item | Temperature [°C] | Input Voltage [V] | Output Current [A] | Output Voltage [V] | Output Voltage Accuracy [mV] | Output Voltage Accuracy(Ration) [%] |
|-----------------|------------------|-------------------|--------------------|--------------------|------------------------------|-------------------------------------|
| Maximum Voltage | -10 | 264 | 0.0 | 18.069 | | |
| Minimum Voltage | 50 | 264 | 5.6 | 18.000 | ±35 | ±0.2 |

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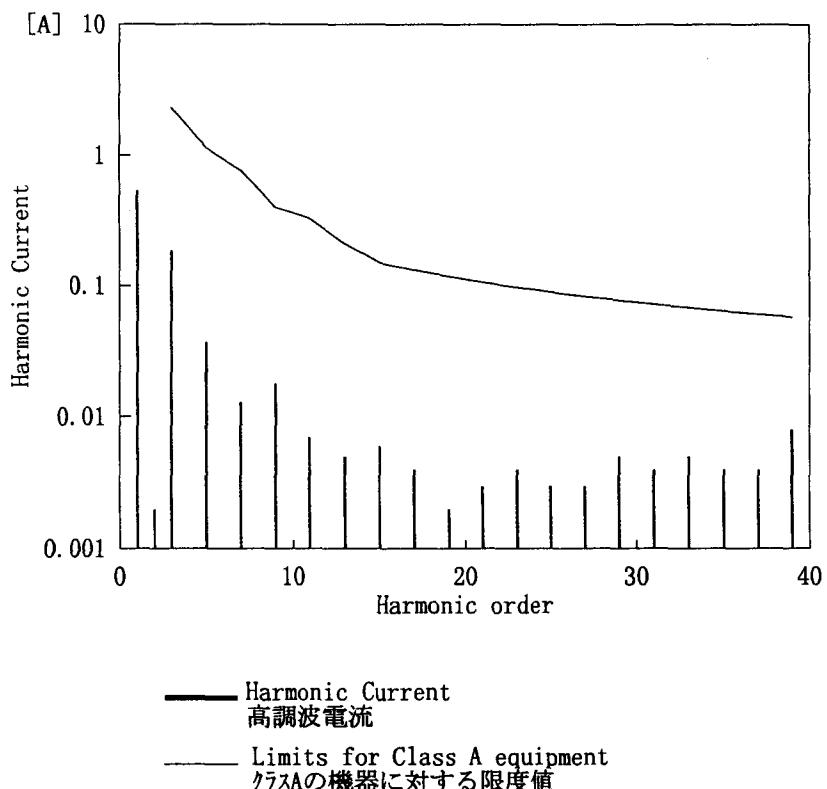
| | | | |
|--------|---------------------------|----------------------------------|------------------|
| Model | LEA100F-18 | Temperature Testing Circuitry | 25°C Figure E |
| Item | Harmonic Current 高調波電流 | | |
| Object | _____ | | |

1. Input Current Waveform



| Conditions | Values |
|---------------------|--------|
| Input Voltage [V] | 230.9 |
| Input Current [A] | 0.572 |
| Active Power [W] | 121.2 |
| Apparent Power [VA] | 132 |
| Frequency [Hz] | 60 |
| Power Factor | 0.918 |
| Output Power [W] | 100 |

2. Harmonic Current

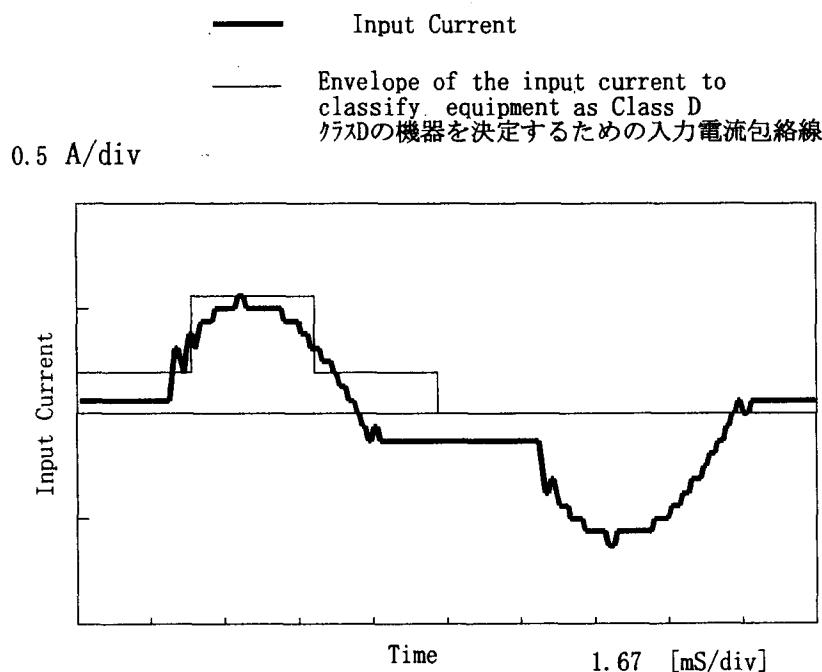


| Harmonics order 高調波次数 | Limits 限度値 [A] 測定値 [A] | Values |
|--------------------------|------------------------------|---------|
| 1 | — | 0.53700 |
| 2 | — | 0.00200 |
| 3 | 2.29104 | 0.18700 |
| 4 | — | 0.00000 |
| 5 | 1.13556 | 0.03700 |
| 6 | — | 0.00000 |
| 7 | 0.76700 | 0.01300 |
| 8 | — | 0.00100 |
| 9 | 0.39844 | 0.01800 |
| 10 | — | 0.00100 |
| 11 | 0.32871 | 0.00700 |
| 12 | — | 0.00100 |
| 13 | 0.20918 | 0.00500 |
| 14 | — | 0.00000 |
| 15 | 0.14942 | 0.00600 |
| 16 | — | 0.00000 |
| 17 | 0.13184 | 0.00400 |
| 18 | — | 0.00100 |
| 19 | 0.11796 | 0.00200 |
| 20 | — | 0.00100 |
| 21 | 0.10673 | 0.00300 |
| 22 | — | 0.00000 |
| 23 | 0.09744 | 0.00400 |
| 24 | — | 0.00000 |
| 25 | 0.08965 | 0.00300 |
| 26 | — | 0.00100 |
| 27 | 0.08301 | 0.00300 |
| 28 | — | 0.00000 |
| 29 | 0.07728 | 0.00500 |
| 30 | — | 0.00100 |
| 31 | 0.07230 | 0.00400 |
| 32 | — | 0.00000 |
| 33 | 0.06792 | 0.00500 |
| 34 | — | 0.00000 |
| 35 | 0.06404 | 0.00400 |
| 36 | — | 0.00000 |
| 37 | 0.06057 | 0.00400 |
| 38 | — | 0.00100 |
| 39 | 0.05747 | 0.00800 |
| 40 | — | 0.00000 |

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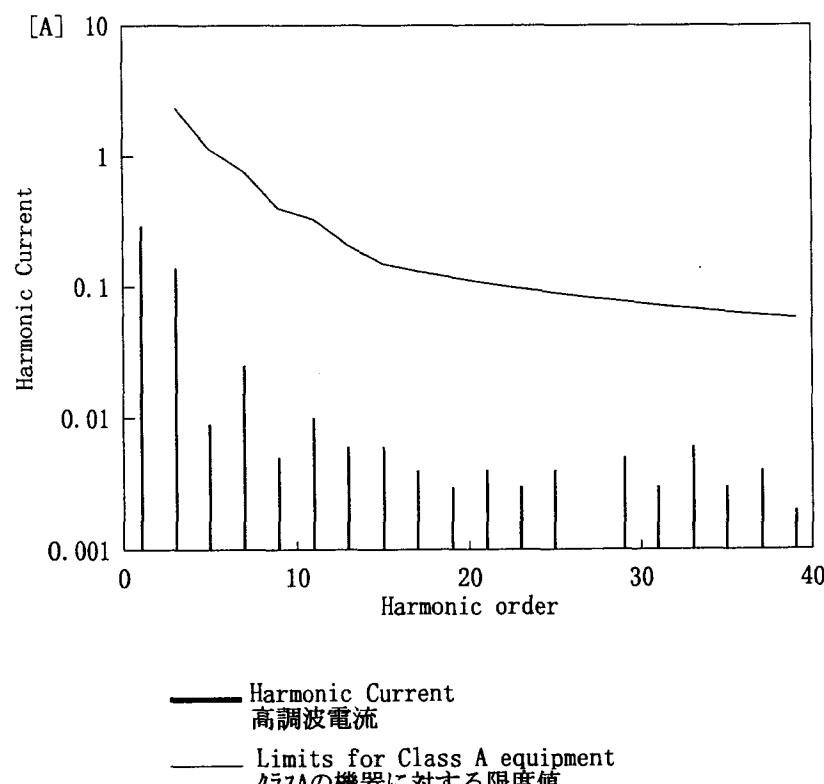
| | | | |
|--------|---------------------------|-------------------|----------|
| Model | LEA100F-18 .. | Temperature | 25°C |
| Item | Harmonic Current 高調波電流 | Testing Circuitry | Figure E |
| Object | — | | |

1. Input Current Waveform



| Conditions | Values |
|---------------------|--------|
| Input Voltage [V] | 231 |
| Input Current [A] | 0.328 |
| Active Power [W] | 64.4 |
| Apparent Power [VA] | 75.7 |
| Frequency [Hz] | 60 |
| Power Factor | 0.851 |
| Output Power [W] | 50 |

2. Harmonic Current



| Harmonics order 高調波次数 | Limits 限度値 [A] | Values 測定値 [A] |
|--------------------------|----------------------|----------------------|
| 1 | — | 0.29400 |
| 2 | — | 0.00100 |
| 3 | 2.29004 | 0.14000 |
| 4 | — | 0.00000 |
| 5 | 1.13506 | 0.00900 |
| 6 | — | 0.00100 |
| 7 | 0.76667 | 0.02500 |
| 8 | — | 0.00100 |
| 9 | 0.39827 | 0.00500 |
| 10 | — | 0.00100 |
| 11 | 0.32857 | 0.01000 |
| 12 | — | 0.00000 |
| 13 | 0.20909 | 0.00600 |
| 14 | — | 0.00100 |
| 15 | 0.14935 | 0.00600 |
| 16 | — | 0.00000 |
| 17 | 0.13178 | 0.00400 |
| 18 | — | 0.00100 |
| 19 | 0.11791 | 0.00300 |
| 20 | — | 0.00000 |
| 21 | 0.10668 | 0.00400 |
| 22 | — | 0.00100 |
| 23 | 0.09740 | 0.00300 |
| 24 | — | 0.00100 |
| 25 | 0.08961 | 0.00400 |
| 26 | — | 0.00100 |
| 27 | 0.08297 | 0.00100 |
| 28 | — | 0.00000 |
| 29 | 0.07725 | 0.00500 |
| 30 | — | 0.00100 |
| 31 | 0.07227 | 0.00300 |
| 32 | — | 0.00100 |
| 33 | 0.06789 | 0.00600 |
| 34 | — | 0.00000 |
| 35 | 0.06401 | 0.00300 |
| 36 | — | 0.00000 |
| 37 | 0.06055 | 0.00400 |
| 38 | — | 0.00100 |
| 39 | 0.05744 | 0.00200 |
| 40 | — | 0.00100 |



| | | | |
|--------|-------------------------|-------------------|----------|
| Model | LEA100F-18 | Temperature | 25°C |
| Item | Leakage Current 漏洩電流 | Testing Circuitry | Figure B |
| Object | <hr/> | | |

1. Results

| Standards | Leakage Current [mA] | | |
|--------------|-----------------------|------------------------|------------------------|
| | Input Volt. 85 [V] | Input Volt. 100 [V] | Input Volt. 132 [V] |
| (A) DEN-AN | — | — | — |
| (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.

交流入力の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 | LEA100F-18 | Temperature Testing Circuitry | 25°C Figure C |
| Item | Line Noise Tolerance 入力雑音耐量 | | |
| Object | +18V5.6A | | |

1. Conditions

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

2. Results

| Pulse Width [nS] | MODE | No protection failure should occur | | DC-like Regulation of Output Voltage 出力電圧の直流的変動 |
|---------------------|--------|---------------------------------------|-------------|-------------------------------------------------------|
| | | POLARITY | 保護回路の誤動作がない | |
| 50 | COMMON | + | OK | no fluctuation |
| | | - | OK | no fluctuation |
| | NORMAL | + | OK | no fluctuation |
| | | - | OK | no fluctuation |
| 1000 | COMMON | + | OK | no fluctuation |
| | | - | OK | no fluctuation |
| | NORMAL | + | OK | no fluctuation |
| | | - | OK | no fluctuation |

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| | | | |
|--------|------------------------------|-------------------|----------|
| Model | LEA100F-18 .. | Temperature | 25°C |
| Item | Conducted Emission 雜音端子電圧 | Testing Circuitry | Figure D |
| Object | <hr/> | | |

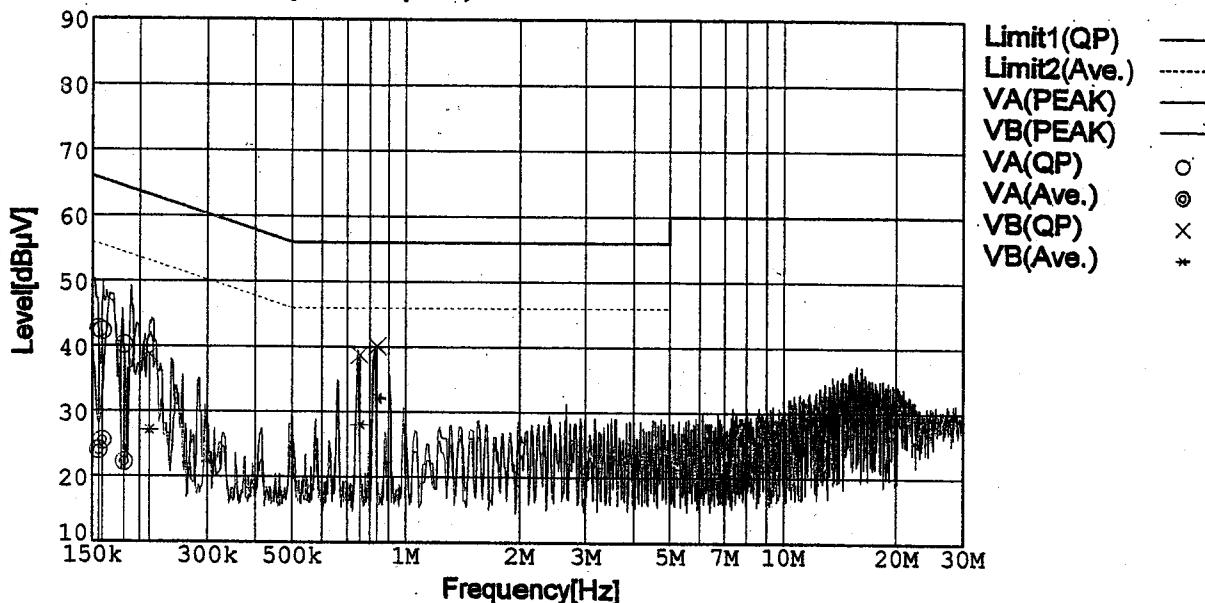
1. Graph

Remarks

Input Volt. 230V (CISPR Pub22 Class B)

Load 100%

Limit1: [CISPR Pub22] Class B(QP)
 Limit2: [CISPR Pub22] Class B(Ave.)



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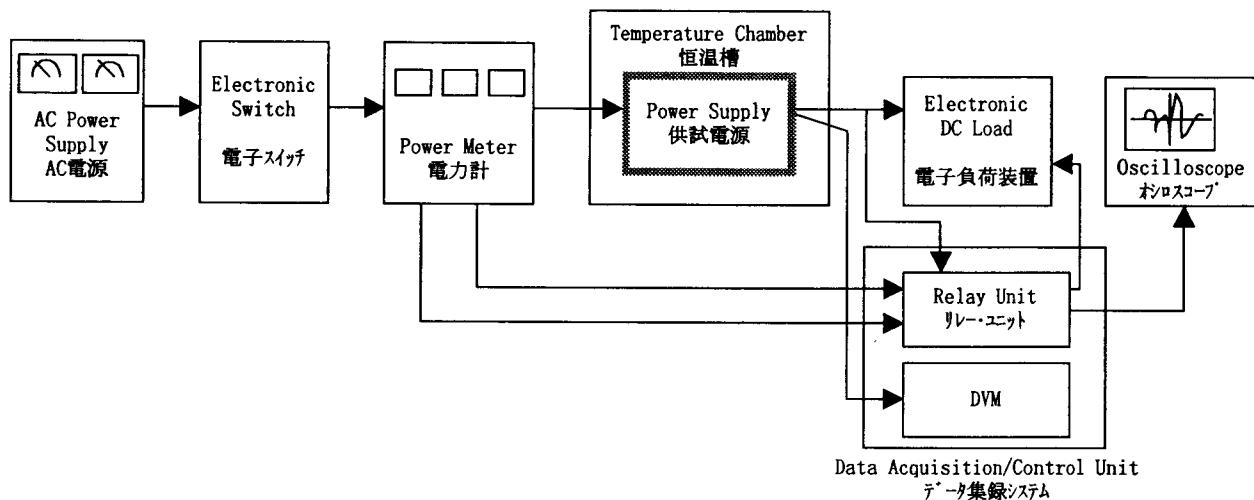


Figure A

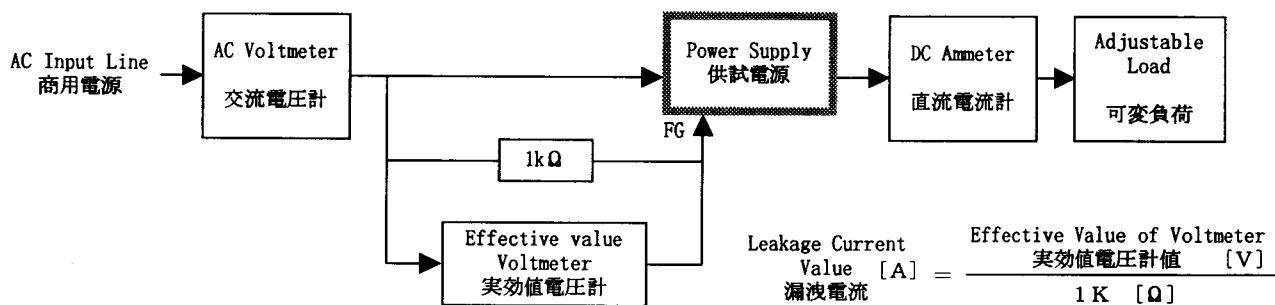


Figure B (DEN-AN)

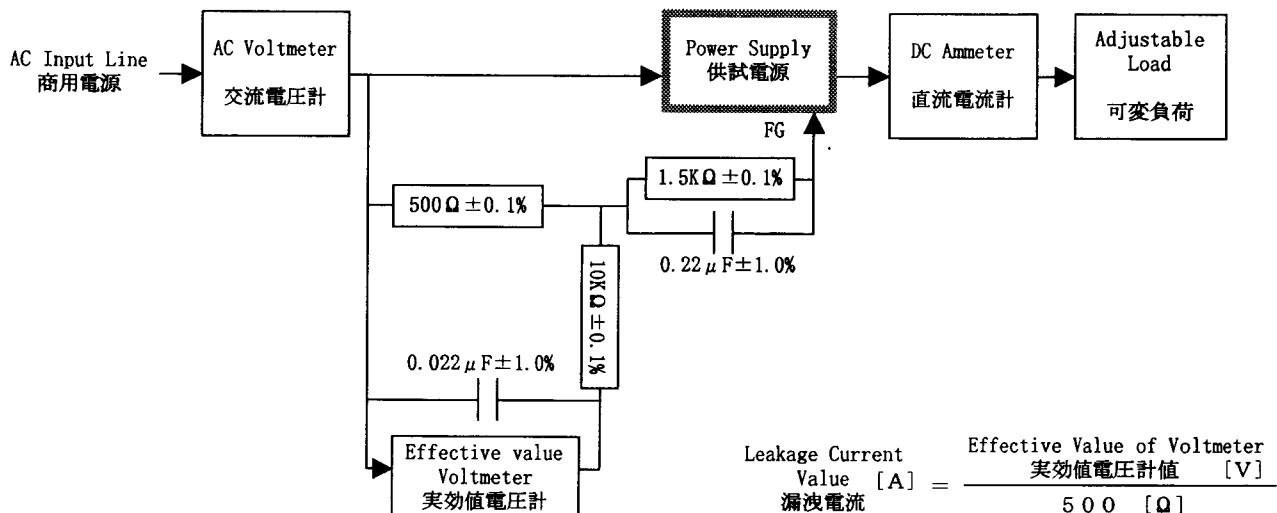


Figure B (IEC60950)

COSEL

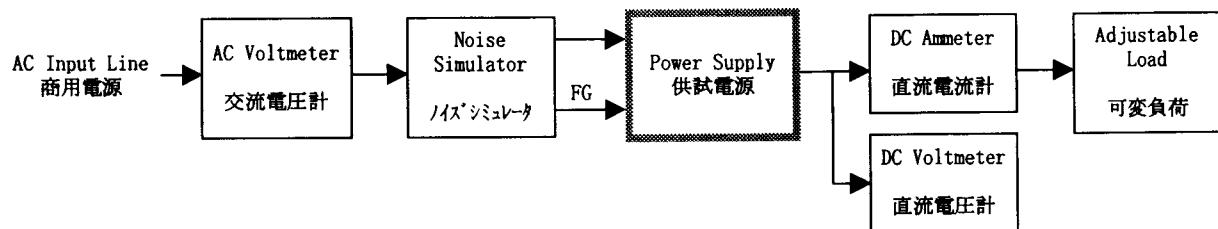


Figure C

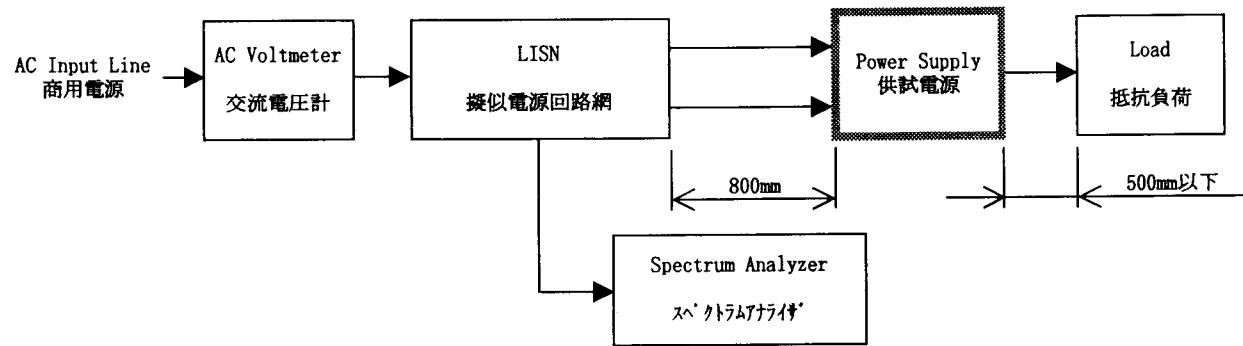


Figure D

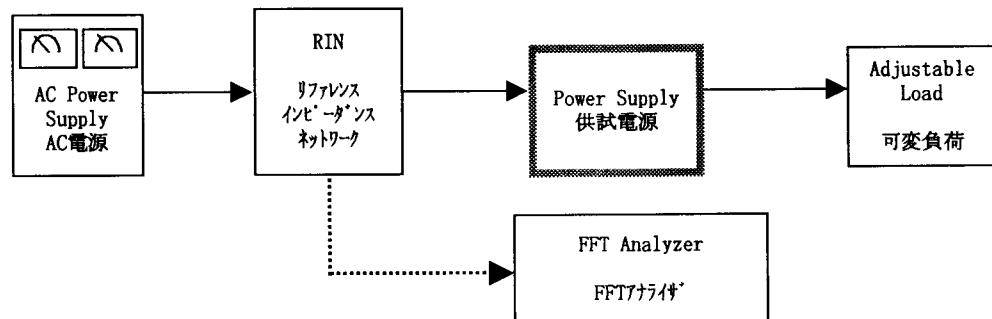


Figure E