



TEST DATA OF ADA750F

ADA750F-48
(200V INPUT)Regulated DC power supply
Mar. 24, 2003Approved by : Kuniaki Nagahara Design Manager
Kuniaki NagaharaPrepared by : Katsumi Ishikawa Design Engineer
Katsumi Ishikawa

INPUT : AC 170~264V

OUTPUT : V1: 48V 15.5A

コーセル株式会社
COSEL CO.,LTD.



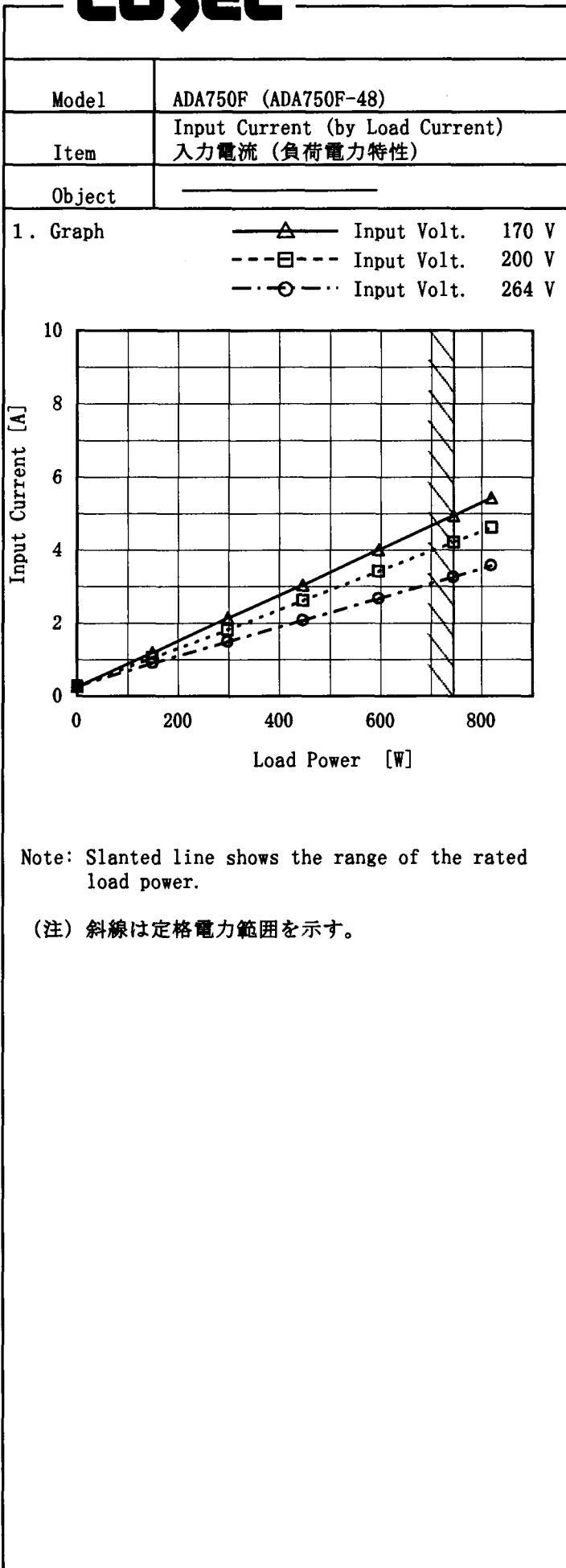
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(Final Page 23)

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| Model | ADA750F (ADA750F-48) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|--|-------------------|--------------------|--|----------|-----------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|
| Item | Line Regulation 静的入力変動 | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | V1:+48V15.5A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"> - - - □ - - Load 50% — △ — Load 100% </p> <p>Output Voltage [V]</p> <p>Input Voltage [V]</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Note: Slanted line shows the range of the rated input voltage.</p> <p>(注) 斜線は定格入力電圧範囲を示す。</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th> <th colspan="2">Output Voltage [V]</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr><td>150</td><td>47.953</td><td>47.943</td></tr> <tr><td>160</td><td>47.952</td><td>47.943</td></tr> <tr><td>170</td><td>47.952</td><td>47.943</td></tr> <tr><td>180</td><td>47.952</td><td>47.943</td></tr> <tr><td>200</td><td>47.952</td><td>47.943</td></tr> <tr><td>220</td><td>47.952</td><td>47.943</td></tr> <tr><td>240</td><td>47.952</td><td>47.942</td></tr> <tr><td>264</td><td>47.952</td><td>47.942</td></tr> <tr><td>280</td><td>47.950</td><td>47.940</td></tr> </tbody> </table> | | | Input Voltage [V] | Output Voltage [V] | | Load 50% | Load 100% | 150 | 47.953 | 47.943 | 160 | 47.952 | 47.943 | 170 | 47.952 | 47.943 | 180 | 47.952 | 47.943 | 200 | 47.952 | 47.943 | 220 | 47.952 | 47.943 | 240 | 47.952 | 47.942 | 264 | 47.952 | 47.942 | 280 | 47.950 | 47.940 |
| Input Voltage [V] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 47.953 | 47.943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 47.952 | 47.943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | 47.952 | 47.943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 47.952 | 47.943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 47.952 | 47.943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 47.952 | 47.943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 47.952 | 47.942 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 47.952 | 47.942 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | 47.950 | 47.940 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Temperature 25°C
 Testing Circuitry Figure A

2. Values

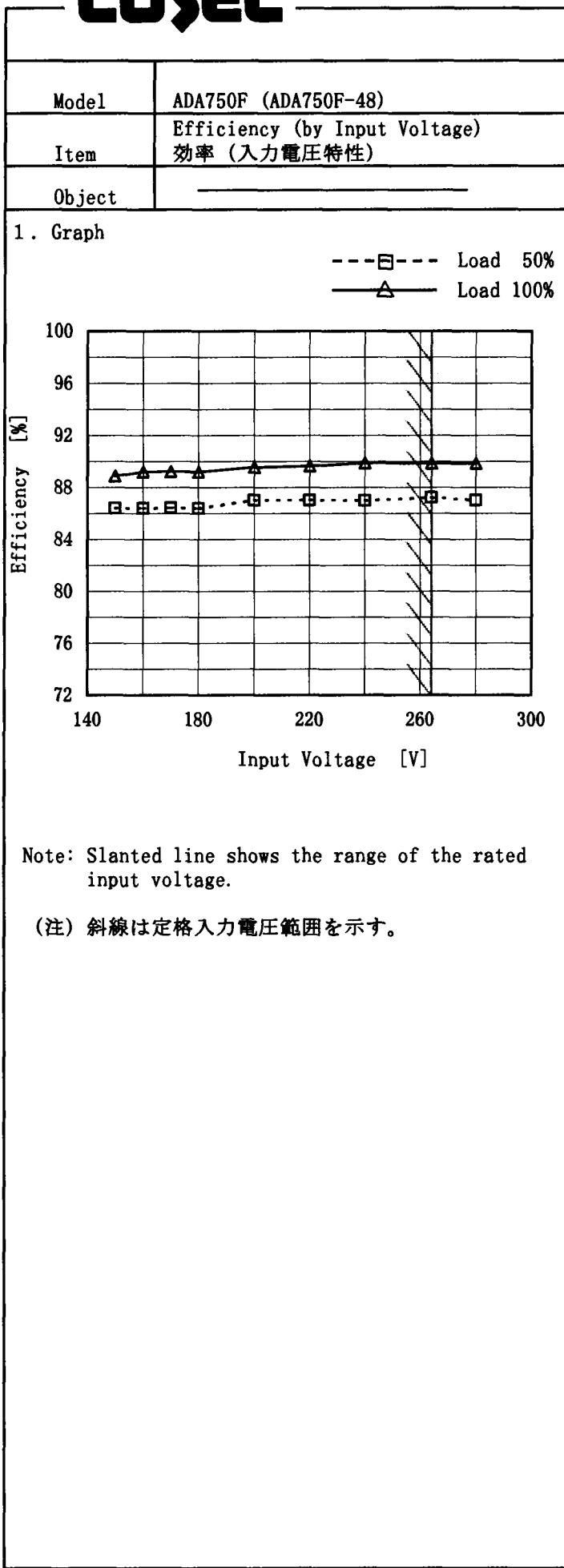
| Load Power [W] | Input Current [A] | | |
|----------------|-------------------|--------|--------|
| | 170[V] | 200[V] | 264[V] |
| 0.0 | 0.260 | 0.270 | 0.270 |
| 148.8 | 1.190 | 1.050 | 0.900 |
| 297.6 | 2.140 | 1.820 | 1.490 |
| 446.4 | 3.050 | 2.630 | 2.080 |
| 595.2 | 4.010 | 3.420 | 2.680 |
| 744.0 | 4.950 | 4.220 | 3.270 |
| 818.4 | 5.430 | 4.620 | 3.580 |
| -- | -- | -- | -- |
| -- | -- | -- | -- |
| -- | -- | -- | -- |
| -- | -- | -- | -- |

COSEL

| Model | ADA750F (ADA750F-48) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|----------------------------------|------------------------|----------------|------------------------|------------------------|------------------------|--------|--------|--------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Input Power (by Load Power) 入力電力 (負荷電力特性) | Temperature Testing Circuitry | 25°C Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>—△— Input Volt. 170 V - - - ■ - - Input Volt. 200 V - - ○ - - Input Volt. 264 V</p> <table border="1"> <caption>Data points from Graph</caption> <thead> <tr> <th>Load Power [W]</th> <th>Input Power [W] (170V)</th> <th>Input Power [W] (200V)</th> <th>Input Power [W] (264V)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>150</td><td>200</td><td>189.0</td><td>186.0</td></tr> <tr><td>300</td><td>350</td><td>345.0</td><td>344.0</td></tr> <tr><td>450</td><td>500</td><td>504.0</td><td>504.0</td></tr> <tr><td>600</td><td>650</td><td>666.0</td><td>663.0</td></tr> <tr><td>750</td><td>800</td><td>828.0</td><td>825.0</td></tr> </tbody> </table> | | | Load Power [W] | Input Power [W] (170V) | Input Power [W] (200V) | Input Power [W] (264V) | 0 | 0 | 0 | 0 | 150 | 200 | 189.0 | 186.0 | 300 | 350 | 345.0 | 344.0 | 450 | 500 | 504.0 | 504.0 | 600 | 650 | 666.0 | 663.0 | 750 | 800 | 828.0 | 825.0 | | | | | | | | | | | | | | | | | | | | | | | |
| Load Power [W] | Input Power [W] (170V) | Input Power [W] (200V) | Input Power [W] (264V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 200 | 189.0 | 186.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 350 | 345.0 | 344.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | 500 | 504.0 | 504.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 650 | 666.0 | 663.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 750 | 800 | 828.0 | 825.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="3">Input Power [W]</th> </tr> <tr> <th>170[V]</th> <th>200[V]</th> <th>264[V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>148.8</td><td>189.0</td><td>186.0</td><td>186.0</td></tr> <tr><td>297.6</td><td>345.0</td><td>344.0</td><td>342.0</td></tr> <tr><td>446.4</td><td>504.0</td><td>504.0</td><td>501.0</td></tr> <tr><td>595.2</td><td>666.0</td><td>663.0</td><td>661.0</td></tr> <tr><td>744.0</td><td>828.0</td><td>825.0</td><td>821.0</td></tr> <tr><td>818.4</td><td>909.0</td><td>906.0</td><td>903.0</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> | | | Load Power [W] | Input Power [W] | | | 170[V] | 200[V] | 264[V] | 0.0 | — | — | — | 148.8 | 189.0 | 186.0 | 186.0 | 297.6 | 345.0 | 344.0 | 342.0 | 446.4 | 504.0 | 504.0 | 501.0 | 595.2 | 666.0 | 663.0 | 661.0 | 744.0 | 828.0 | 825.0 | 821.0 | 818.4 | 909.0 | 906.0 | 903.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Load Power [W] | Input Power [W] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 170[V] | 200[V] | 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148.8 | 189.0 | 186.0 | 186.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297.6 | 345.0 | 344.0 | 342.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446.4 | 504.0 | 504.0 | 501.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 595.2 | 666.0 | 663.0 | 661.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 744.0 | 828.0 | 825.0 | 821.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 818.4 | 909.0 | 906.0 | 903.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

(注) 斜線は定格電力範囲を示す。

COSEL

 Temperature 25°C
 Testing Circuitry Figure A

2. Values

| Input Voltage [V] | Efficiency [%] | |
|-------------------|----------------|-----------|
| | Load 50% | Load 100% |
| 150 | 86.4 | 88.9 |
| 160 | 86.4 | 89.2 |
| 170 | 86.4 | 89.2 |
| 180 | 86.4 | 89.2 |
| 200 | 87.0 | 89.5 |
| 220 | 87.0 | 89.7 |
| 240 | 87.0 | 89.9 |
| 264 | 87.2 | 89.9 |
| 280 | 87.0 | 89.9 |

COSEL

| | |
|--------|--|
| Model | ADA750F (ADA750F-48) |
| Item | Efficiency (by Load Power) 効率(負荷電力特性) |
| Object | — |

1. Graph

Efficiency [%]

Load Power [W]

Legend:

- Input Volt. 170 V
- Input Volt. 200 V
- Input Volt. 264 V

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

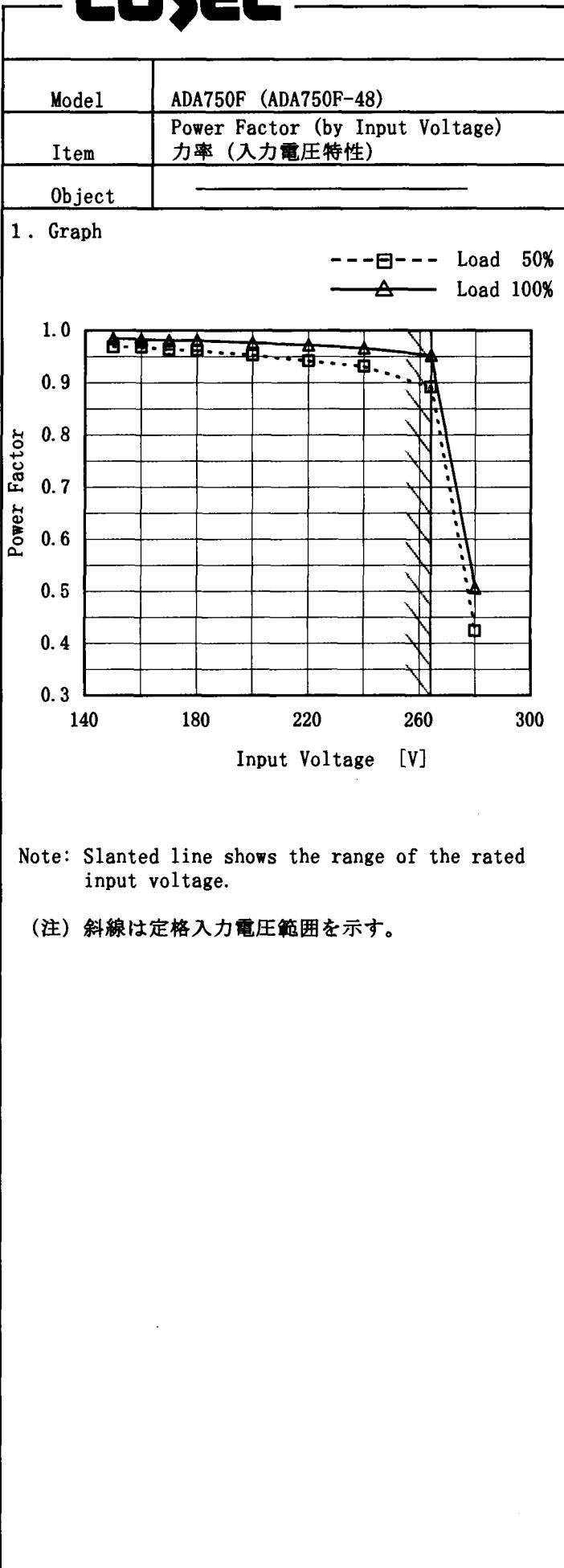
(注) 斜線は定格電力範囲を示す。

 Temperature 25°C
 Testing Circuitry Figure A

2. Values

| Load Power [W] | Efficiency [%] | | |
|----------------|--------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| 0.0 | — | — | — |
| 148.8 | 77.1 | 78.3 | 78.3 |
| 297.6 | 85.2 | 85.5 | 86.0 |
| 446.4 | 87.8 | 87.8 | 88.3 |
| 595.2 | 88.7 | 89.1 | 89.3 |
| 744.0 | 89.2 | 89.5 | 90.0 |
| 818.4 | 89.4 | 89.7 | 90.0 |
| — | — | — | — |
| — | — | — | — |
| — | — | — | — |
| — | — | — | — |

COSEL



COSEL

| Model | ADA750F (ADA750F-48) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|----------------------|-------------------------------|----------------|----------------------|----------------------|----------------------|--------------------|--------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Item | Power Factor (by Load Power) 力率(負荷電力特性) | Temperature 25°C | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>—△— Input Volt. 170 V - - -□- Input Volt. 200 V - - ○- Input Volt. 264 V</p> <table border="1"> <caption>Data points estimated from the graph</caption> <thead> <tr> <th>Load Power [W]</th> <th>Power Factor at 170V</th> <th>Power Factor at 200V</th> <th>Power Factor at 264V</th> </tr> </thead> <tbody> <tr><td>0</td><td>0.548</td><td>0.475</td><td>0.380</td></tr> <tr><td>148.8</td><td>0.931</td><td>0.890</td><td>0.782</td></tr> <tr><td>297.6</td><td>0.948</td><td>0.945</td><td>0.870</td></tr> <tr><td>446.4</td><td>0.973</td><td>0.958</td><td>0.913</td></tr> <tr><td>595.2</td><td>0.977</td><td>0.969</td><td>0.935</td></tr> <tr><td>744.0</td><td>0.983</td><td>0.976</td><td>0.951</td></tr> <tr><td>818.4</td><td>0.985</td><td>0.981</td><td>0.956</td></tr> </tbody> </table> | | | Load Power [W] | Power Factor at 170V | Power Factor at 200V | Power Factor at 264V | 0 | 0.548 | 0.475 | 0.380 | 148.8 | 0.931 | 0.890 | 0.782 | 297.6 | 0.948 | 0.945 | 0.870 | 446.4 | 0.973 | 0.958 | 0.913 | 595.2 | 0.977 | 0.969 | 0.935 | 744.0 | 0.983 | 0.976 | 0.951 | 818.4 | 0.985 | 0.981 | 0.956 | | | | | | | | | | | | | | | | | | | |
| Load Power [W] | Power Factor at 170V | Power Factor at 200V | Power Factor at 264V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0.548 | 0.475 | 0.380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148.8 | 0.931 | 0.890 | 0.782 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297.6 | 0.948 | 0.945 | 0.870 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446.4 | 0.973 | 0.958 | 0.913 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 595.2 | 0.977 | 0.969 | 0.935 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 744.0 | 0.983 | 0.976 | 0.951 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 818.4 | 0.985 | 0.981 | 0.956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Load Power [W] | Power Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 0.548 | 0.475 | 0.380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148.8 | 0.931 | 0.890 | 0.782 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297.6 | 0.948 | 0.945 | 0.870 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446.4 | 0.973 | 0.958 | 0.913 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 595.2 | 0.977 | 0.969 | 0.935 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 744.0 | 0.983 | 0.976 | 0.951 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 818.4 | 0.985 | 0.981 | 0.956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | -- | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

(注) 斜線は定格電力範囲を示す。

COSEL

| Model | ADA750F (ADA750F-48) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|----------------------------------|--------------------|----------------|-------------------|-------------|-------------|--------------------|--------------------|--------------------|-----|-------|----|----|-------|-------|-----|-----|-------|-------|----|----|-------|-------|----|----|-------|-------|----|----|-------|----|----|----|-------|----|----|----|-----|---|---|---|-----|---|---|---|-----|---|---|---|-----|---|---|---|
| Item | Hold-Up Time (by Load Power) 出力保持時間 (負荷電力特性) | Temperature Testing Circuitry | 25°C 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 estimated from Graph</caption> <thead> <tr> <th>Load Power [W]</th> <th>170[V] [ms]</th> <th>200[V] [ms]</th> <th>264[V] [ms]</th> </tr> </thead> <tbody> <tr><td>148.8</td><td>133</td><td>135</td><td>136</td></tr> <tr><td>297.6</td><td>68</td><td>70</td><td>71</td></tr> <tr><td>446.4</td><td>45</td><td>47</td><td>48</td></tr> <tr><td>595.2</td><td>33</td><td>34</td><td>35</td></tr> <tr><td>744.0</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>818.4</td><td>23</td><td>24</td><td>25</td></tr> </tbody> </table> | | | Load Power [W] | 170[V] [ms] | 200[V] [ms] | 264[V] [ms] | 148.8 | 133 | 135 | 136 | 297.6 | 68 | 70 | 71 | 446.4 | 45 | 47 | 48 | 595.2 | 33 | 34 | 35 | 744.0 | 25 | 26 | 27 | 818.4 | 23 | 24 | 25 | | | | | | | | | | | | | | | | | | | | | | | |
| Load Power [W] | 170[V] [ms] | 200[V] [ms] | 264[V] [ms] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148.8 | 133 | 135 | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297.6 | 68 | 70 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446.4 | 45 | 47 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 595.2 | 33 | 34 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 744.0 | 25 | 26 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 818.4 | 23 | 24 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="3">Hold-Up 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>0.0</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>148.8</td><td>133</td><td>135</td><td>136</td></tr> <tr><td>297.6</td><td>68</td><td>70</td><td>71</td></tr> <tr><td>446.4</td><td>45</td><td>47</td><td>48</td></tr> <tr><td>595.2</td><td>33</td><td>34</td><td>35</td></tr> <tr><td>744.0</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>818.4</td><td>23</td><td>24</td><td>25</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> | | | Load Power [W] | Hold-Up Time [mS] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 0.0 | — | — | — | 148.8 | 133 | 135 | 136 | 297.6 | 68 | 70 | 71 | 446.4 | 45 | 47 | 48 | 595.2 | 33 | 34 | 35 | 744.0 | 25 | 26 | 27 | 818.4 | 23 | 24 | 25 | --- | — | — | — | --- | — | — | — | --- | — | — | — | --- | — | — | — |
| Load Power [W] | Hold-Up Time [mS] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148.8 | 133 | 135 | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297.6 | 68 | 70 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446.4 | 45 | 47 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 595.2 | 33 | 34 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 744.0 | 25 | 26 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 818.4 | 23 | 24 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy. Note: Slanted line shows the range of the rated load power.</p> <p>出力保持時間とは、入力電圧断から出力電圧が定電圧精度の範囲を保持しているところまでの時間。 (注) 斜線は定格電力範囲を示す。</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

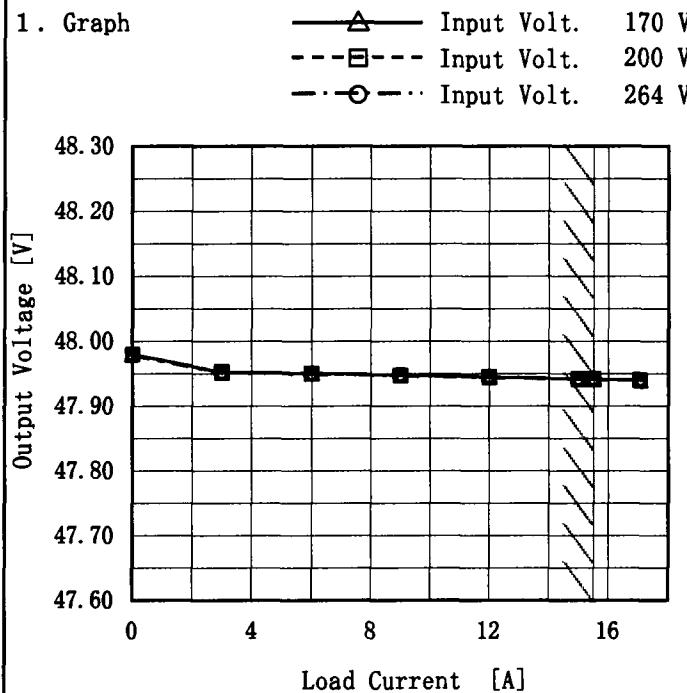
COSEL

| Model | ADA750F (ADA750F-48) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------------|--------------------|----------------|-----------|--|--|--------------------|--------------------|--------------------|-----|---|---|---|-------|-----|-----|-----|-------|----|----|----|-------|----|----|----|-------|----|----|----|-------|----|----|----|-------|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Instantaneous Interruption Compensation (by Load Power) | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 瞬時停電保障 (負荷電力特性) | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | <p>Instantaneous Compensation Time [mS]</p> <p>Load Power [W]</p> <p>—▲— Input Volt. 170V ---□--- Input Volt. 200V -·○-· Input Volt. 264V</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</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>0.0</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>148.8</td><td>120</td><td>130</td><td>137</td></tr> <tr><td>297.6</td><td>68</td><td>66</td><td>71</td></tr> <tr><td>446.4</td><td>45</td><td>46</td><td>47</td></tr> <tr><td>595.2</td><td>31</td><td>34</td><td>35</td></tr> <tr><td>744.0</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>818.4</td><td>22</td><td>23</td><td>25</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> | | | Load Power [W] | Time [mS] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 0.0 | — | — | — | 148.8 | 120 | 130 | 137 | 297.6 | 68 | 66 | 71 | 446.4 | 45 | 46 | 47 | 595.2 | 31 | 34 | 35 | 744.0 | 25 | 26 | 27 | 818.4 | 22 | 23 | 25 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Load Power [W] | Time [mS] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148.8 | 120 | 130 | 137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297.6 | 68 | 66 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446.4 | 45 | 46 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 595.2 | 31 | 34 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 744.0 | 25 | 26 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 818.4 | 22 | 23 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load power. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (注) 斜線は定格電力範囲を示す。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Object | |
|--------|---------------------------|
| Model | ADA750F (ADA750F-48) |
| Item | Load Regulation 靜的負荷變動 |
| Object | V1:+48V15. 5A |

Temperature 25°C
Testing Circuitry Figure A

2. Values



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

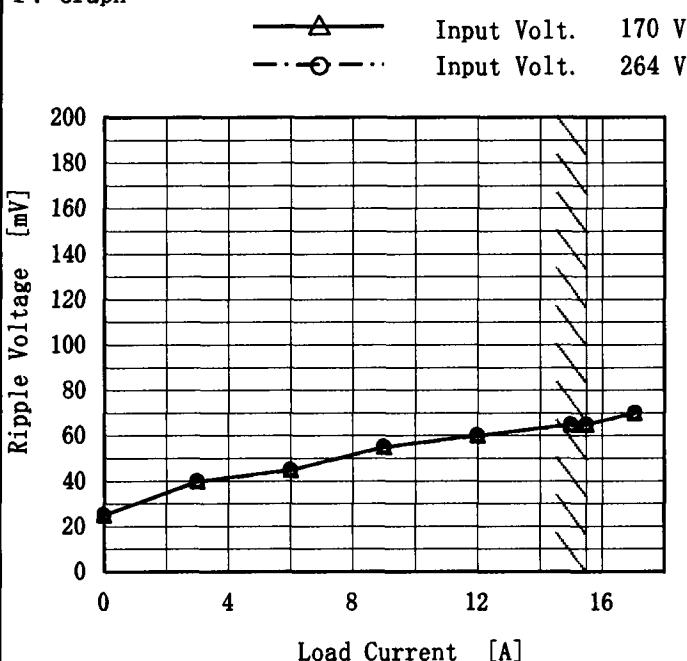
(注) 斜線は定格負荷電流範囲を示す。

| Load Current [A] | Output Voltage [V] | | |
|---------------------|--------------------|-------------|-------------|
| | Input Volt. | Input Volt. | Input Volt. |
| 0.00 | 170[V] | 200[V] | 264[V] |
| 3.00 | 47.980 | 47.980 | 47.979 |
| 6.00 | 47.952 | 47.953 | 47.952 |
| 9.00 | 47.951 | 47.950 | 47.950 |
| 12.00 | 47.948 | 47.947 | 47.948 |
| 15.00 | 47.945 | 47.945 | 47.945 |
| 15.50 | 47.942 | 47.942 | 47.942 |
| 17.05 | 47.939 | 47.940 | 47.940 |
| -- | -- | -- | -- |
| -- | -- | -- | -- |
| -- | -- | -- | -- |

COSEL

| | |
|--------|---|
| Model | ADA750F (ADA750F-48) |
| Item | Ripple Voltage (by Load Current) リップル電圧 (負荷特性) |
| Object | V1:+48V15.5A |

1. Graph



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

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

リップル電圧は、下図 p - p 値で示される。
(注) 斜線は定格負荷電流範囲を示す。

- T1: Due to AC Input Line
入力商用周期
- T2: Due to Switching
スイッチング周期

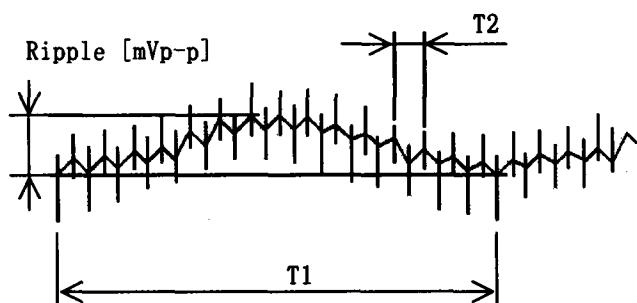


Fig. Complex Ripple Wave Form
図 リップル波形詳細図

Temperature 25°C
Testing Circuitry Figure A

2. Values

| Load Current [A] | Ripple Output Voltage [mV] | |
|------------------|----------------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 264[V] |
| 0.00 | 25 | 25 |
| 3.00 | 40 | 40 |
| 6.00 | 45 | 45 |
| 9.00 | 55 | 55 |
| 12.00 | 60 | 60 |
| 15.00 | 65 | 65 |
| 15.50 | 65 | 65 |
| 17.05 | 70 | 70 |
| — | — | — |
| — | — | — |
| — | — | — |

COSEL

| Model | ADA750F (ADA750F-48) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|--|------------------|-------------------|--|--------------------|--------------------|------|----|----|------|----|----|------|----|----|------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|---|---|---|---|---|---|---|---|---|
| Item | Ripple-Noise リップルノイズ | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | V1:+48V15.5A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Graph showing Ripple-Noise [mV] vs Load Current [A]. The Y-axis ranges from 0 to 200 mV, and the X-axis ranges from 0 to 16 A. Two curves are plotted: Input Volt. 170 V (solid line with triangle markers) and Input Volt. 264 V (dashed line with circle markers). Both curves show an increase in noise with load current, with the 170 V curve being higher than the 264 V curve. A diagonal line indicates the rated load current range.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>0.00</td><td>30</td><td>30</td></tr> <tr><td>3.00</td><td>45</td><td>45</td></tr> <tr><td>6.00</td><td>50</td><td>50</td></tr> <tr><td>9.00</td><td>60</td><td>60</td></tr> <tr><td>12.00</td><td>65</td><td>65</td></tr> <tr><td>15.00</td><td>70</td><td>70</td></tr> <tr><td>15.50</td><td>70</td><td>70</td></tr> <tr><td>17.05</td><td>75</td><td>75</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td></tr> </tbody> </table> | | | Load Current [A] | Ripple-Noise [mV] | | Input Volt. 170[V] | Input Volt. 264[V] | 0.00 | 30 | 30 | 3.00 | 45 | 45 | 6.00 | 50 | 50 | 9.00 | 60 | 60 | 12.00 | 65 | 65 | 15.00 | 70 | 70 | 15.50 | 70 | 70 | 17.05 | 75 | 75 | — | — | — | — | — | — | — | — | — |
| Load Current [A] | Ripple-Noise [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 30 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.00 | 45 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.00 | 50 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.00 | 60 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.00 | 65 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.00 | 70 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.50 | 70 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17.05 | 75 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 T2: Due to Switching</p> <p>Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| | | | | |
|-----------|--|----------------------------------|------------------|--------|
| Model | ADA750F (ADA750F-48) | | | |
| Item | Overcurrent Protection 過電流保護 | Temperature Testing Circuitry | 25°C Figure A | |
| Object | V1:+48V15.5A | | | |
| 1. Graph | <p>— Input Volt. 170 V — Input Volt. 200 V — Input Volt. 264 V</p> | | | |
| 2. Values | Output Voltage [V] | Load Current [A] | | |
| | Input Volt. | 170[V] | 200[V] | 264[V] |
| 48.0 | 22.94 | 24.08 | 22.94 | |
| 45.6 | 36.02 | 36.16 | 36.34 | |
| 43.2 | 36.38 | 36.45 | 36.72 | |
| 38.4 | 37.06 | 37.19 | 37.55 | |
| 33.6 | 37.88 | 38.09 | 38.28 | |
| 28.8 | 38.72 | 38.87 | 39.09 | |
| -- | -- | -- | -- | |
| -- | -- | -- | -- | |
| -- | -- | -- | -- | |
| -- | -- | -- | -- | |
| -- | -- | -- | -- | |
| -- | -- | -- | -- | |
| -- | -- | -- | -- | |

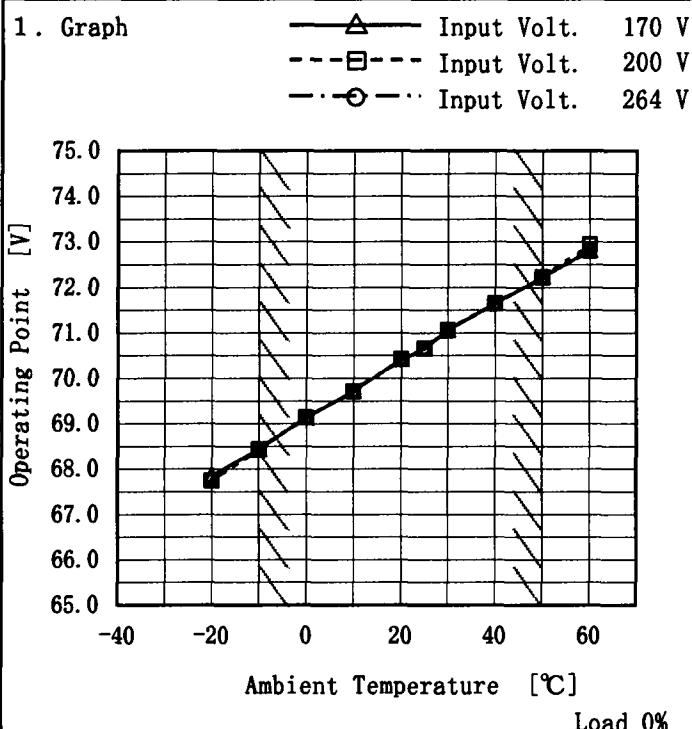
Note: Slanted line shows the range of the rated load current.
 (注) 斜線は定格負荷電流範囲を示す。

Intermittent operation occurs when the output voltage is from 28.8V to 0V.

28.8V~0V間は、間欠モードとなる。

COSEL

| | |
|--------|---------------------------------|
| Model | ADA750F (ADA750F-48) |
| Item | Overtoltage Protection 過電圧保護 |
| Object | V1:+48V15.5A |



Testing Circuitry Figure A

2. Values

| Ambient Temperature [°C] | Operating Point [V] | | |
|--------------------------|---------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| -20 | 67.86 | 67.74 | 67.74 |
| -10 | 68.44 | 68.44 | 68.44 |
| 0 | 69.14 | 69.14 | 69.14 |
| 10 | 69.72 | 69.72 | 69.72 |
| 20 | 70.42 | 70.42 | 70.42 |
| 25 | 70.66 | 70.66 | 70.66 |
| 30 | 71.06 | 71.06 | 71.06 |
| 40 | 71.65 | 71.65 | 71.65 |
| 50 | 72.23 | 72.23 | 72.23 |
| 60 | 72.82 | 72.94 | 72.82 |
| -- | -- | -- | -- |

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 ADA750F (ADA750F-48)

Item Inrush Current
突入電流

Object _____

Temperature 25°C
Testing Circuitry Figure AInput
Current
[20A/div]Input
Voltage
[200V/div]

Time

[50mS/div]

Input Voltage 200 V

Frequency 60 Hz

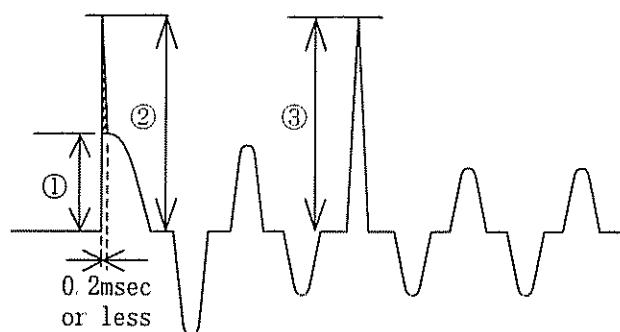
Load 100 %

Inrush Current

① 22.4 [A]

② 28.2 [A] (0.2msec or less)*1

③ 20.4 [A]



*1 The specification of the inrush current (primary surge) means that the surge current to a built-in noise filter (0.2msec or less : waveform ②) is excluded.

本製品の突入電流(1次サージ)の仕様は、内蔵ノイズフィルタへの
サージ電流(0.2msec以下:波形②)を除きます。

COSEL

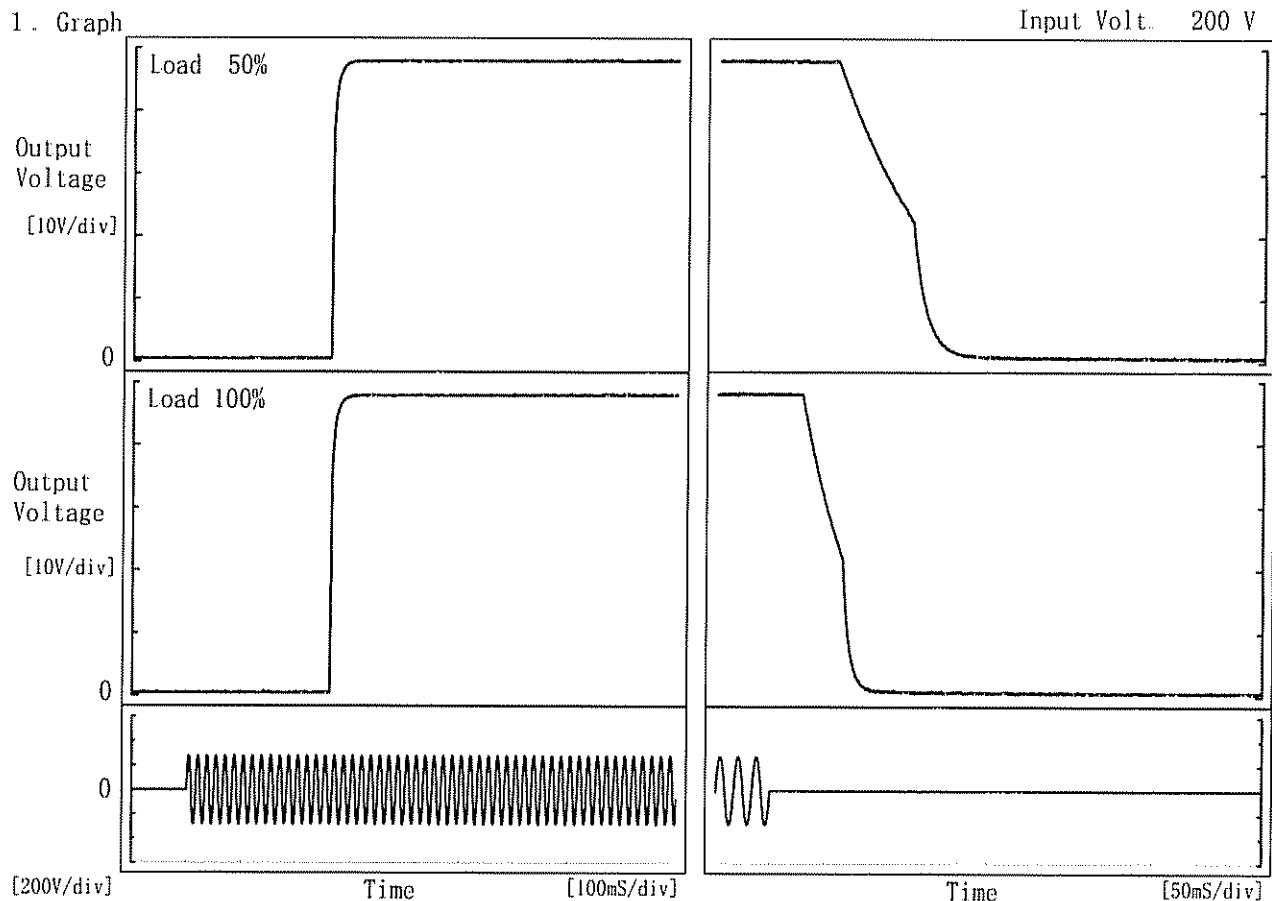
Model ADA750F (ADA750F-48)

Item Rise and Fall Time
立上り、立下り時間

Object V1:+48V15.5A

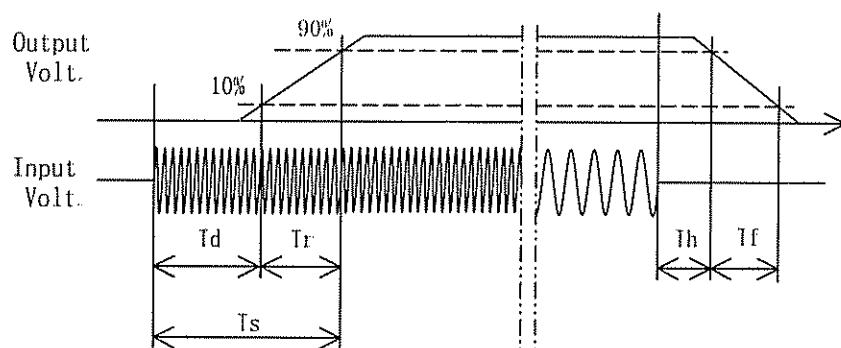
Temperature 25°C
Testing Circuitry Figure A

1. Graph



2. Values

| Load | Time | T _d | T _r | T _s | T _h | T _f |
|-------|------|----------------|----------------|----------------|----------------|----------------|
| 50 % | | 262.0 | 10.0 | 272.0 | 69.0 | 78.5 |
| 100 % | | 262.0 | 9.5 | 271.5 | 33.8 | 41.8 |



COSEL

| | |
|--------|-------------------------------------|
| Model | ADA750F (ADA750F-48) |
| Item | Ambient Temperature Drift 周囲温度変動 |
| Object | V1:+48V15.5A |

1. Graph

2. Values

| Ambient Temperature [°C] | Output Voltage [V] | | |
|--------------------------|--------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| -20 | 48.029 | 48.028 | 48.028 |
| -10 | 48.015 | 48.014 | 48.014 |
| 0 | 48.005 | 48.004 | 48.003 |
| 10 | 47.993 | 47.992 | 47.992 |
| 20 | 47.987 | 47.987 | 47.986 |
| 25 | 47.982 | 47.981 | 47.981 |
| 30 | 47.977 | 47.977 | 47.976 |
| 40 | 47.952 | 47.951 | 47.950 |
| 50 | 47.925 | 47.924 | 47.922 |
| 60 | 47.866 | 47.865 | 47.864 |
| -- | - | - | - |

Testing Circuitry Figure A

2. Values

| Ambient Temperature [°C] | Output Voltage [V] | | |
|--------------------------|--------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| -20 | 48.029 | 48.028 | 48.028 |
| -10 | 48.015 | 48.014 | 48.014 |
| 0 | 48.005 | 48.004 | 48.003 |
| 10 | 47.993 | 47.992 | 47.992 |
| 20 | 47.987 | 47.987 | 47.986 |
| 25 | 47.982 | 47.981 | 47.981 |
| 30 | 47.977 | 47.977 | 47.976 |
| 40 | 47.952 | 47.951 | 47.950 |
| 50 | 47.925 | 47.924 | 47.922 |
| 60 | 47.866 | 47.865 | 47.864 |
| -- | - | - | - |

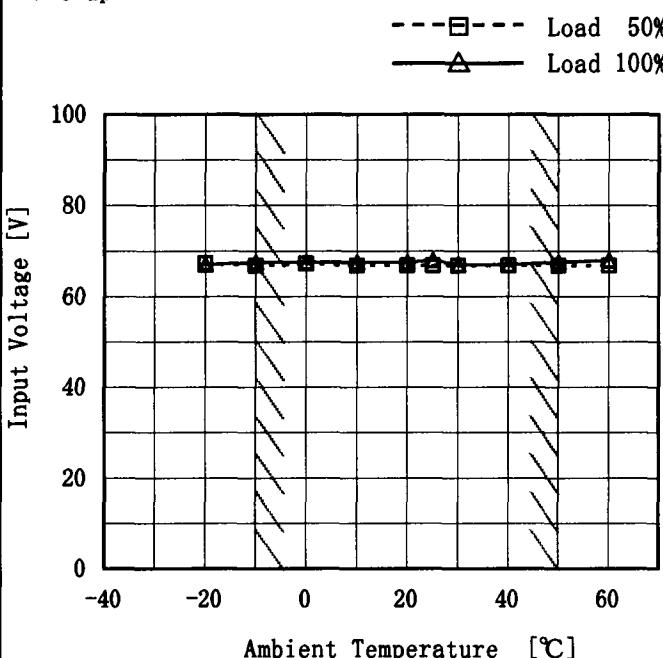
Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

COSEL

| | |
|--------|--|
| Model | ADA750F (ADA750F-48) |
| Item | Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧 |
| Object | V1:+48V15.5A |

1. Graph



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

(注) 斜線は定格周囲温度範囲を示す。

Testing Circuitry Figure A

2. Values

| Ambient Temperature [°C] | Input Voltage [V] | |
|--------------------------|-------------------|-----------|
| | Load 50% | Load 100% |
| -20 | 67 | 67 |
| -10 | 67 | 68 |
| 0 | 67 | 68 |
| 10 | 67 | 68 |
| 20 | 67 | 68 |
| 25 | 67 | 68 |
| 30 | 67 | 67 |
| 40 | 67 | 67 |
| 50 | 67 | 68 |
| 60 | 67 | 68 |
| -- | — | — |

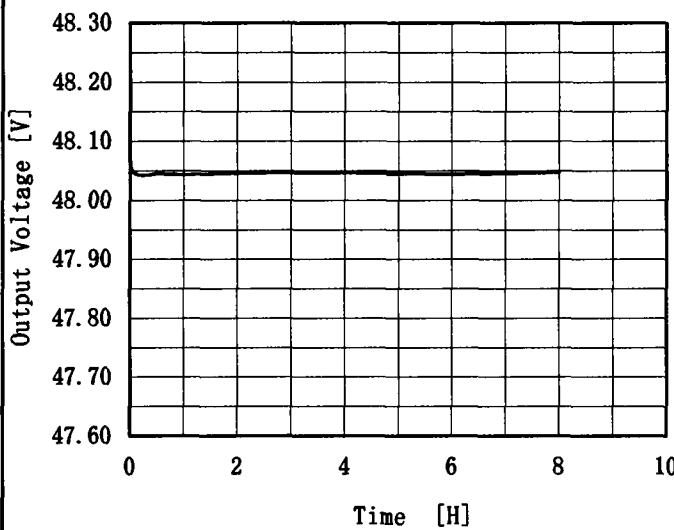
| Model | ADA750F (ADA750F-48) | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--------------------------|---------------------|-----|-----|---|-----|----|----|----|----|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| Item | Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | V1:+48V15.5A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Ambient Temperature [°C]</p> <p>Ripple Voltage [mV]</p> <p>Input Volt. 100 V</p> <p>Load 100 %</p> | | <table border="1"> <thead> <tr> <th>Ambient Temperature [°C]</th> <th>Ripple Voltage [mV]</th> </tr> </thead> <tbody> <tr><td>-10</td><td>110</td></tr> <tr><td>0</td><td>100</td></tr> <tr><td>25</td><td>65</td></tr> <tr><td>50</td><td>45</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> <tr><td>---</td><td>-</td></tr> </tbody> </table> | Ambient Temperature [°C] | Ripple Voltage [mV] | -10 | 110 | 0 | 100 | 25 | 65 | 50 | 45 | --- | - | --- | - | --- | - | --- | - | --- | - | --- | - | --- | - | --- | - |
| Ambient Temperature [°C] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| | |
|--------|----------------------------|
| Model | ADA750F (ADA750F-48) |
| Item | Time Lapse Drift 経時ドリフト |
| Object | V1:+48V15.5A |

 Temperature 25°C
 Testing Circuitry Figure A

1. Graph



Input Volt. 200V

Load 100%

2. Values

| Time since start [H] | Output Voltage [V] |
|----------------------|--------------------|
| 0.0 | 48.073 |
| 0.5 | 48.045 |
| 1.0 | 48.043 |
| 2.0 | 48.046 |
| 3.0 | 48.047 |
| 4.0 | 48.047 |
| 5.0 | 48.045 |
| 6.0 | 48.044 |
| 7.0 | 48.046 |
| 8.0 | 48.048 |

COSEL

| | | |
|--------|----------------------------------|-------------------------------|
| Model | ADA750F (ADA750F-48) | Testing Circuitry Figure A |
| Item | Output Voltage Accuracy 定電圧精度 | |
| Object | V1:+48V15.5A | |

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 ~ 264V

Load Current : 0 ~ 15.5A

* Output Voltage Accuracy = ±(Maximum of Output Voltage - 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 ~ 264V

負荷電流 : 0 ~ 15.5A

* 定電圧精度(変動値) = ±(出力電圧の最高値 - 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 | | Output Voltage Accuracy | |
|-----------------|---------------------|----------------------|------------|------------|-------------------------|------------|
| | | | Current[A] | Voltage[V] | Value [mV] | Ration [%] |
| Maximum Voltage | -10 | 264 | 0 | 48.041 | ±64 | ±0.1 |
| Minimum Voltage | 50 | 264 | 15.5 | 47.914 | | |



| | | | |
|--------|-------------------------|-------------------|----------|
| Model | ADA750F (ADA750F-48) | Temperature | 25°C |
| Item | Leakage Current 漏洩電流 | Testing Circuitry | Figure B |
| Object | _____ | | |

1. Results

| Standards | Leakage Current [mA] | | |
|--------------|----------------------|-------------|-------------|
| | Input Volt. | Input Volt. | Input Volt. |
| 85 [V] | 100 [V] | 132 [V] | — |
| (A) DEN-AN | — | — | — |
| (B) IEC60950 | — | — | — |

| Standards | Leakage Current [mA] | | |
|--------------|----------------------|-------------|-------------|
| | Input Volt. | Input Volt. | Input Volt. |
| 170 [V] | 230 [V] | 264 [V] | — |
| (B) IEC60950 | 0.39 | 0.56 | 0.61 |

2. Condition

Leakage current value is concluded after measuring each phases of AC input and by choosing the larger one.

交流入力の各相について測定し、その大きい方を漏洩電流測定値とする。

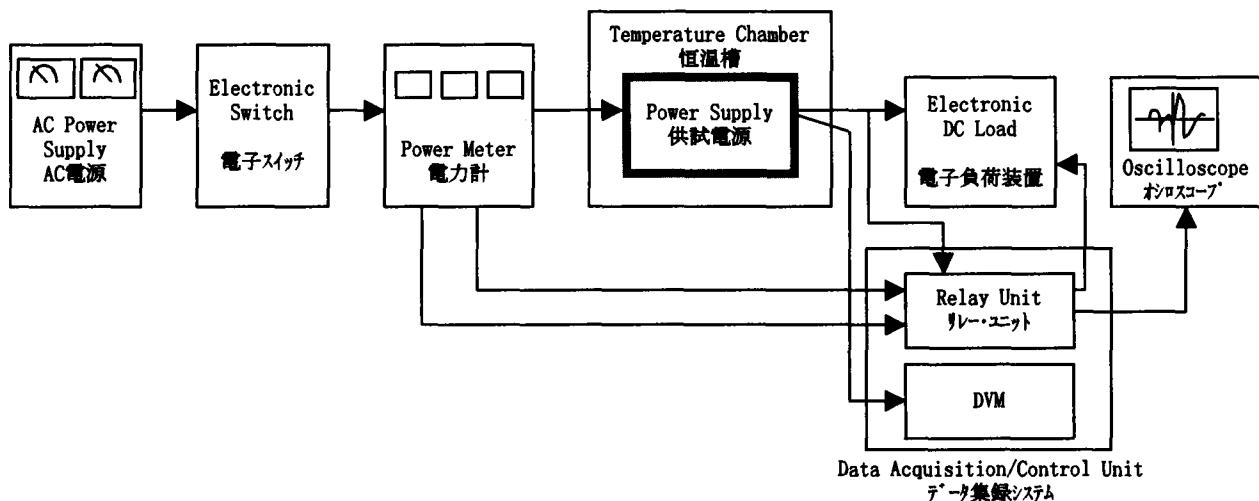


Figure A

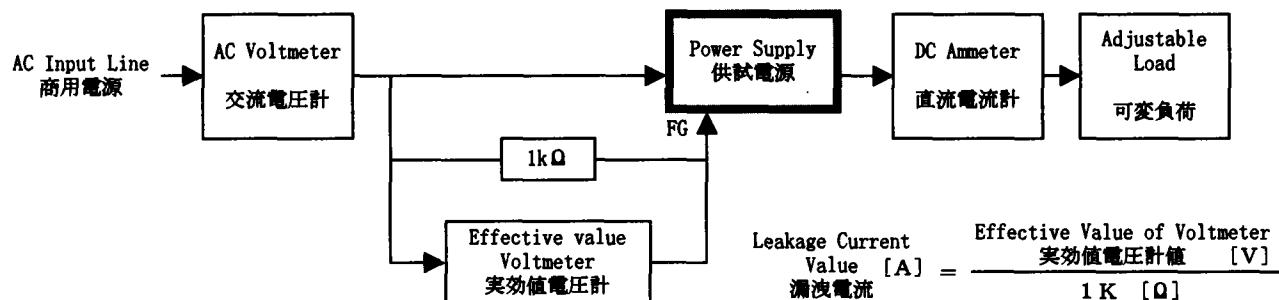


Figure B (DEN-AN)

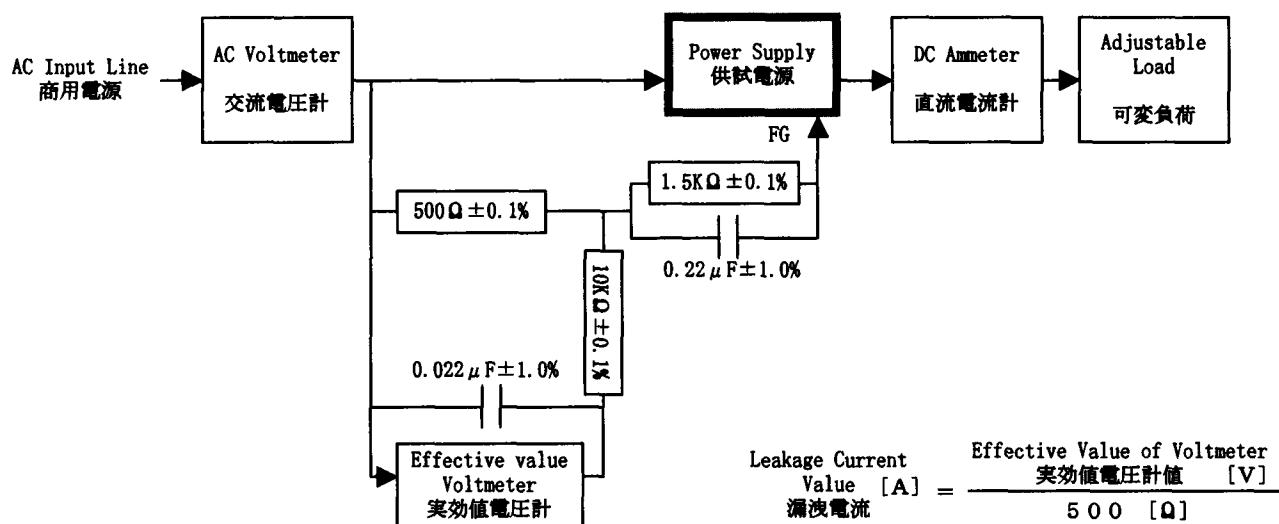


Figure B (IEC60950)