

TEST DATA OF ADA750F

ADA750F-36
(200V INPUT)

Regulated DC power supply
Mar. 24, 2003

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INPUT : AC 170~264V

OUTPUT : V1: 36V 20.5A

コーセル株式会社
COSEL CO.,LTD.

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Model

ADA750F (ADA750F-36)

Item

Line Regulation
静的入力変動

Object

V1:+36V20.5A

Temperature

25℃

Testing Circuitry

Figure A

1. Graph

---□---

Load 50%

—△—

Load 100%

Output Voltage [V]

36.40

36.30

36.20

36.10

36.00

35.90

35.80

35.70

140

180

220

260

300

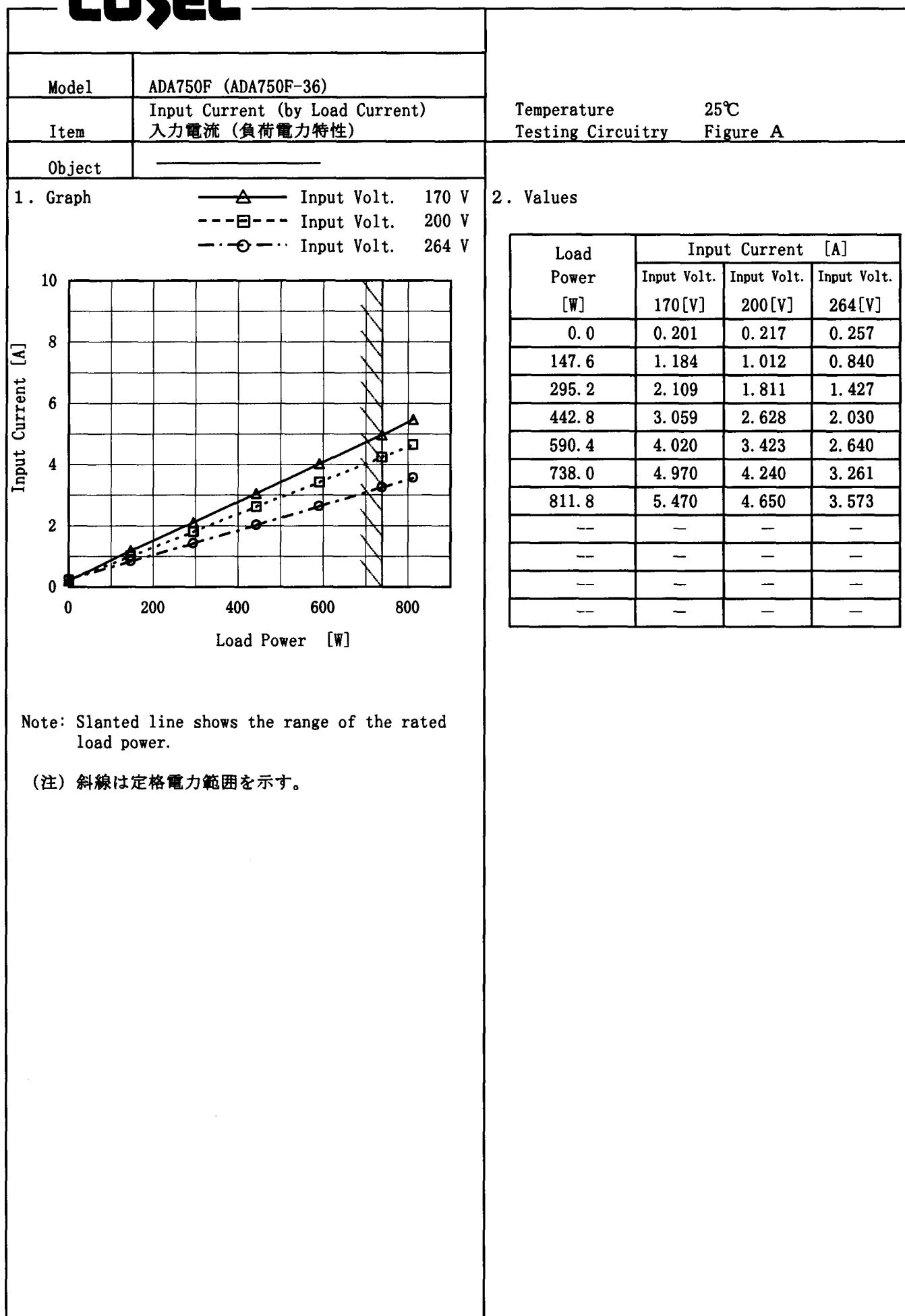
Input Voltage [V]

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

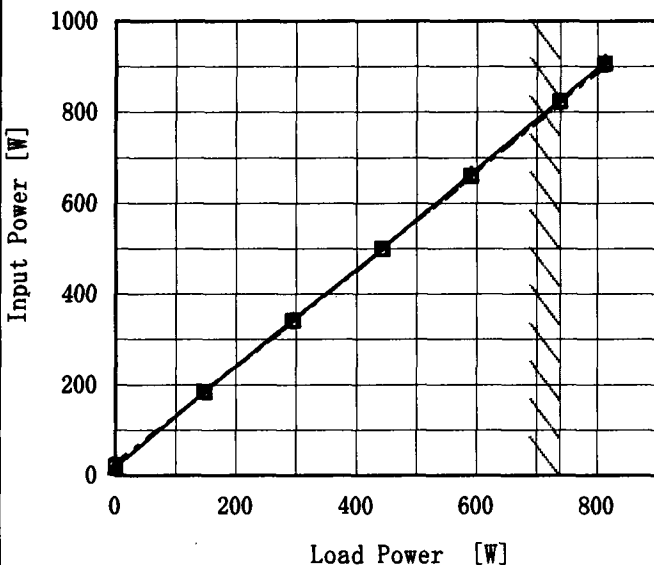
(注) 斜線は定格入力電圧範囲を示す。

2. Values

| Input Voltage [V] | Output Voltage [V] | |
|-------------------|--------------------|-----------|
| | Load 50% | Load 100% |
| 150 | 36.073 | 36.064 |
| 160 | 36.072 | 36.064 |
| 170 | 36.072 | 36.064 |
| 180 | 36.072 | 36.063 |
| 200 | 36.072 | 36.063 |
| 220 | 36.072 | 36.063 |
| 240 | 36.072 | 36.065 |
| 264 | 36.072 | 36.064 |
| 280 | 36.072 | 36.064 |

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| Model | | ADA750F (ADA750F-36) | | Temperature | | 25℃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|--|--------------------|---|--|----------|--|----------------|-----------------|--|--|--------------------|--------------------|--------------------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Item | | Input Power (by Load Power) 入力電力 (負荷電力特性) | | Testing Circuitry | | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>—△—</div>Input Volt. 170 V</div> <div><div>---□---</div>Input Volt. 200 V</div> <div><div>-·-○-·-</div>Input Volt. 264 V</div>  <p>Input Power [W]</p> <p>Load Power [W]</p> | | | | <table><tr><th rowspan="2">Load Power [W]</th><th colspan="3">Input Power [W]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>0.0</td><td>18.0</td><td>19.4</td><td>23.9</td></tr><tr><td>147.6</td><td>184.9</td><td>184.4</td><td>184.7</td></tr><tr><td>295.2</td><td>343.0</td><td>341.0</td><td>339.6</td></tr><tr><td>442.8</td><td>500.0</td><td>500.0</td><td>499.0</td></tr><tr><td>590.4</td><td>665.0</td><td>660.0</td><td>658.0</td></tr><tr><td>738.0</td><td>827.0</td><td>824.0</td><td>820.0</td></tr><tr><td>811.8</td><td>911.0</td><td>907.0</td><td>902.0</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></table> | | | | Load Power [W] | Input Power [W] | | | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | 0.0 | 18.0 | 19.4 | 23.9 | 147.6 | 184.9 | 184.4 | 184.7 | 295.2 | 343.0 | 341.0 | 339.6 | 442.8 | 500.0 | 500.0 | 499.0 | 590.4 | 665.0 | 660.0 | 658.0 | 738.0 | 827.0 | 824.0 | 820.0 | 811.8 | 911.0 | 907.0 | 902.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Load Power [W] | Input Power [W] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 18.0 | 19.4 | 23.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 147.6 | 184.9 | 184.4 | 184.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 295.2 | 343.0 | 341.0 | 339.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 442.8 | 500.0 | 500.0 | 499.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 590.4 | 665.0 | 660.0 | 658.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 738.0 | 827.0 | 824.0 | 820.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 811.8 | 911.0 | 907.0 | 902.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Note: Slanted line shows the range of the rated load power. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (注) 斜線は定格電力範囲を示す。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------|--|--|--|-------------------|--|----------|--|
| Model | | ADA750F (ADA750F-36) | | Temperature | | 25℃ | |
| Item | | Efficiency (by Input Voltage) 効率 (入力電圧特性) | | Testing Circuitry | | Figure A | |
| Object | | | | | | | |

1. Graph

□

Load 50%

△

Load 100%

Efficiency [%]

100

96

92

88

84

80

76

72

140

180

220

260

300

Input Voltage [V]

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

(注) 斜線は定格入力電圧範囲を示す。

2. Values

| Input Voltage [V] | Efficiency [%] | |
|-------------------|----------------|-----------|
| | Load 50% | Load 100% |
| 150 | 86.9 | 88.1 |
| 160 | 87.1 | 88.4 |
| 170 | 87.1 | 88.6 |
| 180 | 87.1 | 88.8 |
| 200 | 87.1 | 89.2 |
| 220 | 87.4 | 89.3 |
| 240 | 87.4 | 89.4 |
| 264 | 87.6 | 89.4 |
| 280 | 87.8 | 89.7 |

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|--------|--|---|--|-------------------|--|----------|--|
| Model | | ADA750F (ADA750F-36) | | Temperature | | 25℃ | |
| Item | | Efficiency (by Load Power) 効率 (負荷電力特性) | | Testing Circuitry | | Figure A | |
| Object | | | | | | | |

1. Graph

—△— Input Volt. 170 V

---□--- Input Volt. 200 V

-·-○-·- Input Volt. 264 V

Efficiency [%]

100

96

92

88

84

80

76

72

0

200

400

600

800

Load Power [W]

150

295

443

590

738

812

78.9

85.3

87.9

88.2

88.6

88.5

79.1

85.9

87.9

88.8

89.0

88.9

79.0

86.2

88.1

89.1

89.4

89.4

2. Values

| Load Power [W] | Efficiency [%] | | |
|----------------|---------------------|---------------------|---------------------|
| | Input Volt. 170 [V] | Input Volt. 200 [V] | Input Volt. 264 [V] |
| 0.0 | — | — | — |
| 147.6 | 78.9 | 79.1 | 79.0 |
| 295.2 | 85.3 | 85.9 | 86.2 |
| 442.8 | 87.9 | 87.9 | 88.1 |
| 590.4 | 88.2 | 88.8 | 89.1 |
| 738.0 | 88.6 | 89.0 | 89.4 |
| 811.8 | 88.5 | 88.9 | 89.4 |
| -- | — | — | — |
| -- | — | — | — |
| -- | — | — | — |
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Note: Slanted line shows the range of the rated load power.

(注) 斜線は定格電力範囲を示す。

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| | |
|--------|--|
| Model | ADA750F (ADA750F-36) |
| Item | Power Factor (by Input Voltage) 力率 (入力電圧特性) |
| Object | |

| | |
|-------------------|----------|
| Temperature | 25℃ |
| Testing Circuitry | Figure A |

1. Graph

---□--- Load 50%

—△— Load 100%

Power Factor

Input Voltage [V]

| Input Voltage [V] | Load 50% | Load 100% |
|-------------------|----------|-----------|
| 150 | 0.959 | 0.982 |
| 160 | 0.957 | 0.980 |
| 170 | 0.957 | 0.979 |
| 180 | 0.950 | 0.976 |
| 200 | 0.944 | 0.970 |
| 220 | 0.939 | 0.968 |
| 240 | 0.937 | 0.961 |
| 264 | 0.916 | 0.952 |
| 280 | 0.742 | 0.792 |

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

(注) 斜線は定格入力電圧範囲を示す。

2. Values

| Input Voltage [V] | Power Factor | |
|----------------------|--------------|-----------|
| | Load 50% | Load 100% |
| 150 | 0.959 | 0.982 |
| 160 | 0.957 | 0.980 |
| 170 | 0.957 | 0.979 |
| 180 | 0.950 | 0.976 |
| 200 | 0.944 | 0.970 |
| 220 | 0.939 | 0.968 |
| 240 | 0.937 | 0.961 |
| 264 | 0.916 | 0.952 |
| 280 | 0.742 | 0.792 |

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|--------|--|---|--|-------------------|--|----------|--|
| Model | | ADA750F (ADA750F-36) | | Temperature | | 25℃ | |
| Item | | Power Factor (by Load Power) 力率 (負荷電力特性) | | Testing Circuitry | | Figure A | |
| Object | | | | | | | |

1. Graph

—△—

Input Volt.

170 V

---□---

Input Volt.

200 V

-·-○-·-

Input Volt.

264 V

Power Factor

1.0

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0

200

400

600

800

Load Power [W]

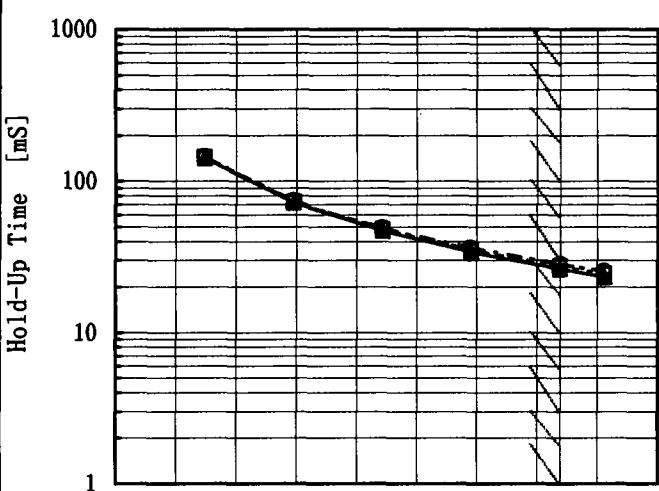
Note: Slanted line shows the range of the rated load power.

(注) 斜線は定格電力範囲を示す。

2. Values

| Load Power [W] | Power Factor | | |
|----------------|--------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| 0.0 | 0.528 | 0.447 | 0.352 |
| 147.6 | 0.919 | 0.911 | 0.834 |
| 295.2 | 0.955 | 0.942 | 0.902 |
| 442.8 | 0.962 | 0.952 | 0.931 |
| 590.4 | 0.972 | 0.965 | 0.944 |
| 738.0 | 0.979 | 0.972 | 0.952 |
| 811.8 | 0.981 | 0.975 | 0.957 |
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|-------------------|--|--|--|-------------------|--|----------|--|--|
| Model | | ADA750F (ADA750F-36) | | Temperature | | 25℃ | | |
| Item | | Hold-Up Time (by Load Power) 出力保持時間 (負荷電力特性) | | Testing Circuitry | | Figure A | | |
| Object | | | | | | | | |
| 1. Graph | | —△— Input Volt. 170V ---□--- Input Volt. 200V ---○--- Input Volt. 264V | | 2. Values | | | | |
| Hold-Up Time [mS] |  | | | | | | | |
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| Load Power [W] | | | | | | | | |
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COSEL

Model

ADA750F (ADA750F-36)

Item

Instantaneous Interruption Compensation
(by Load Power)
瞬時停電保障 (負荷電力特性)

Object

1. Graph

—△—

Input Volt. 170V

---□---

Input Volt. 200V

---○---

Input Volt. 264V

Instantaneous Compensation Time [mS]

1000

100

10

1

0

200

400

600

800

Load Power [W]

| Load Power [W] | 170V [mS] | 200V [mS] | 264V [mS] |
|----------------|-----------|-----------|-----------|
| 0.0 | — | — | — |
| 147.6 | 129 | 138 | 146 |
| 295.2 | 72 | 72 | 75 |
| 442.8 | 47 | 48 | 50 |
| 590.4 | 33 | 35 | 37 |
| 738.0 | 25 | 27 | 29 |
| 811.8 | 22 | 23 | 26 |
| — | — | — | — |
| — | — | — | — |
| — | — | — | — |
| — | — | — | — |

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℃

Testing Circuitry

Figure A

2. Values

| Load Power [W] | Time [mS] | | |
|----------------|--------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| 0.0 | — | — | — |
| 147.6 | 129 | 138 | 146 |
| 295.2 | 72 | 72 | 75 |
| 442.8 | 47 | 48 | 50 |
| 590.4 | 33 | 35 | 37 |
| 738.0 | 25 | 27 | 29 |
| 811.8 | 22 | 23 | 26 |
| -- | — | — | — |
| -- | — | — | — |
| -- | — | — | — |
| -- | — | — | — |

COSEL

| | | | |
|--------|--|---------------------------|--|
| Model | | ADA750F (ADA750F-36) | |
| Item | | Load Regulation 静的負荷変動 | |
| Object | | V1:+36V20.5A | |

1. Graph

—△—

Input Volt.

170 V

---□---

Input Volt.

200 V

-·-○-·-

Input Volt.

264 V

Output Voltage [V]

36.40

36.30

36.20

36.10

36.00

35.90

35.80

35.70

0

10

20

Load Current [A]

<

COSEL

| | | | |
|--------|--|---|--|
| Model | | ADA750F (ADA750F-36) | |
| Item | | Ripple Voltage (by Load Current) リップル電圧 (負荷特性) | |
| Object | | V1:+36V20.5A | |

1. Graph

—△—

Input Volt.

170 V

---○---

Input Volt.

264 V

Ripple Voltage [mV]

200

180

160

140

120

100

80

60

40

20

0

0

10

20

Load Current [A]

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

Ripple [mVp-p]

T2

T1

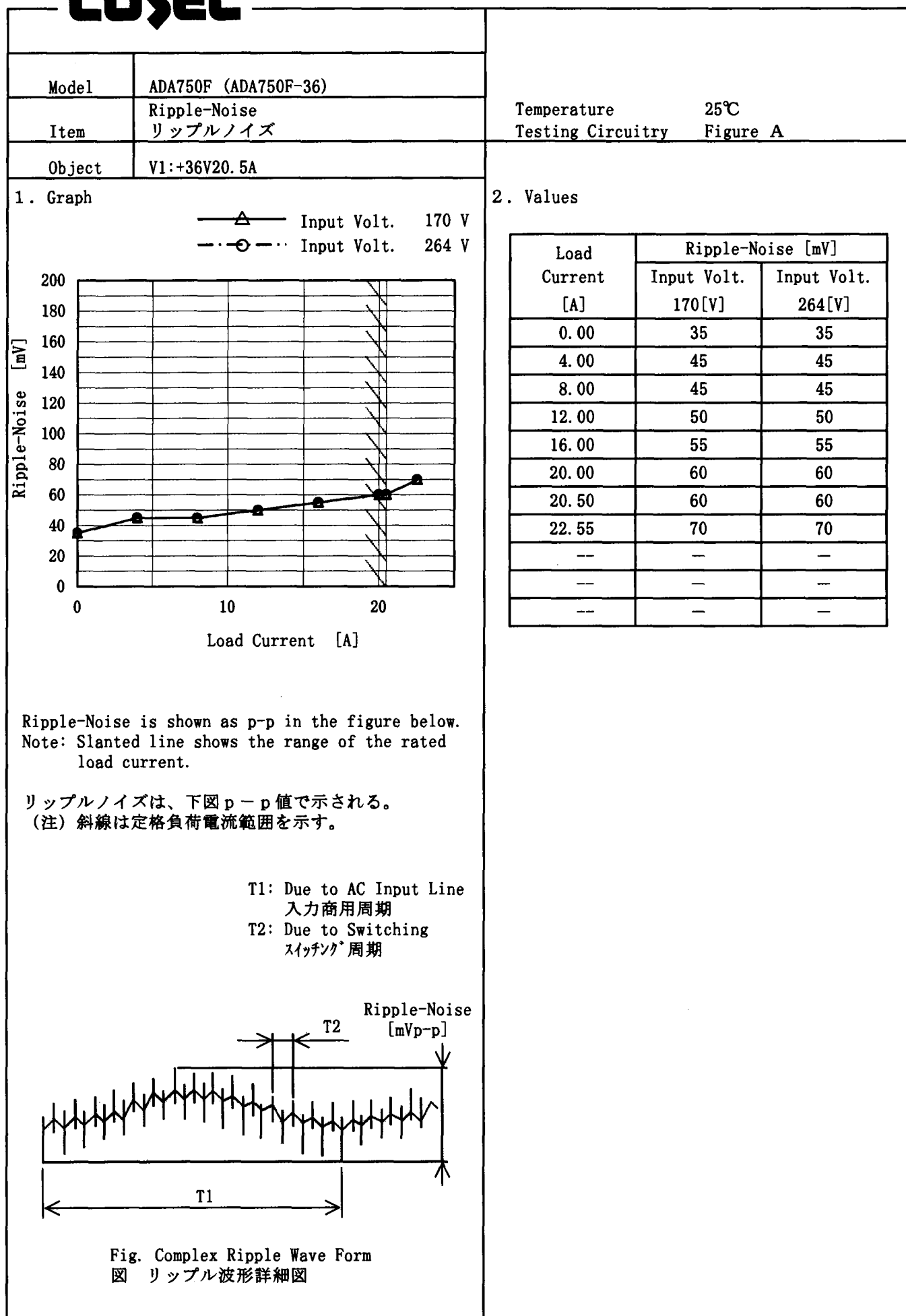
Fig. Complex Ripple Wave Form

図 リップル波形詳細図

2. Values

| Load Current [A] | Ripple Output Voltage [mV] | |
|------------------|----------------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 264[V] |
| 0.00 | 30 | 30 |
| 4.00 | 40 | 40 |
| 8.00 | 40 | 40 |
| 12.00 | 45 | 45 |
| 16.00 | 50 | 50 |
| 20.00 | 50 | 50 |
| 20.50 | 50 | 50 |
| 22.55 | 65 | 65 |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |

COSEL



COSEL

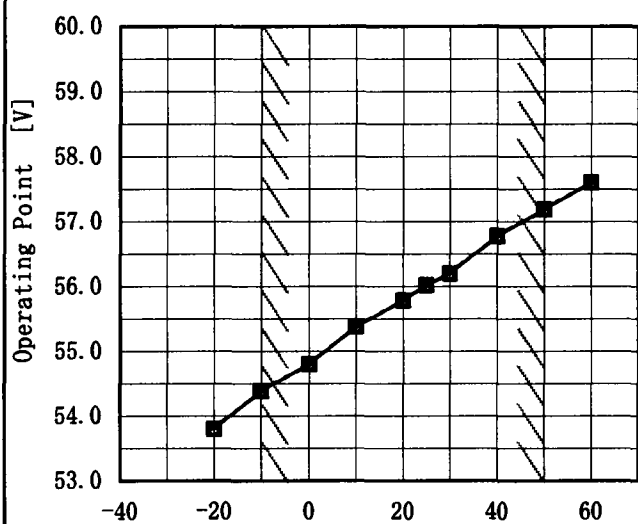
| | | | |
|--|---------------------------------|-------|---|
| | | | |
| Model | ADA750F (ADA750F-36) | | |
| Item | Overcurrent Protection 過電流保護 | | Temperature 25℃ Testing Circuitry Figure A |
| Object | V1:+36V20.5A | | |
| 1. Graph | | | |
| | Input Volt. | 170 V | |
| | Input Volt. | 200 V | |
| | Input Volt. | 264 V | |
| Output Voltage [V] | | | |
| | Load Current [A] | | |
| Note: Slanted line shows the range of the rated load current. (注) 斜線は定格負荷電流範囲を示す。 | | | |
| Intermittent operation occurs when the output voltage is from 21.6V to 0V. 21.6V～0V間は、間欠モードとなる。 | | | |

| | | | |
|--------------------|--------------------|--------------------|--------------------|
| 2. Values | | | |
| Output Voltage [V] | Load Current [A] | | |
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| 36.0 | 46.07 | 46.19 | 46.40 |
| 34.2 | 46.40 | 46.59 | 46.81 |
| 32.4 | 46.80 | 46.97 | 47.19 |
| 28.8 | 47.63 | 47.78 | 47.96 |
| 25.2 | 48.34 | 48.48 | 48.57 |
| 21.6 | 49.03 | 49.18 | 49.35 |
| -- | -- | -- | -- |
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COSEL

| | |
|--------|---------------------------------|
| Model | ADA750F (ADA750F-36) |
| Item | Overvoltage Protection 過電圧保護 |
| Object | V1:+36V20.5A |

1. Graph
- △— Input Volt. 170 V
 ---□--- Input Volt. 200 V
 -·-○-·- Input Volt. 264 V



Ambient Temperature [°C]

Load 0%

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

(注) 斜線は定格周囲温度範囲を示す。

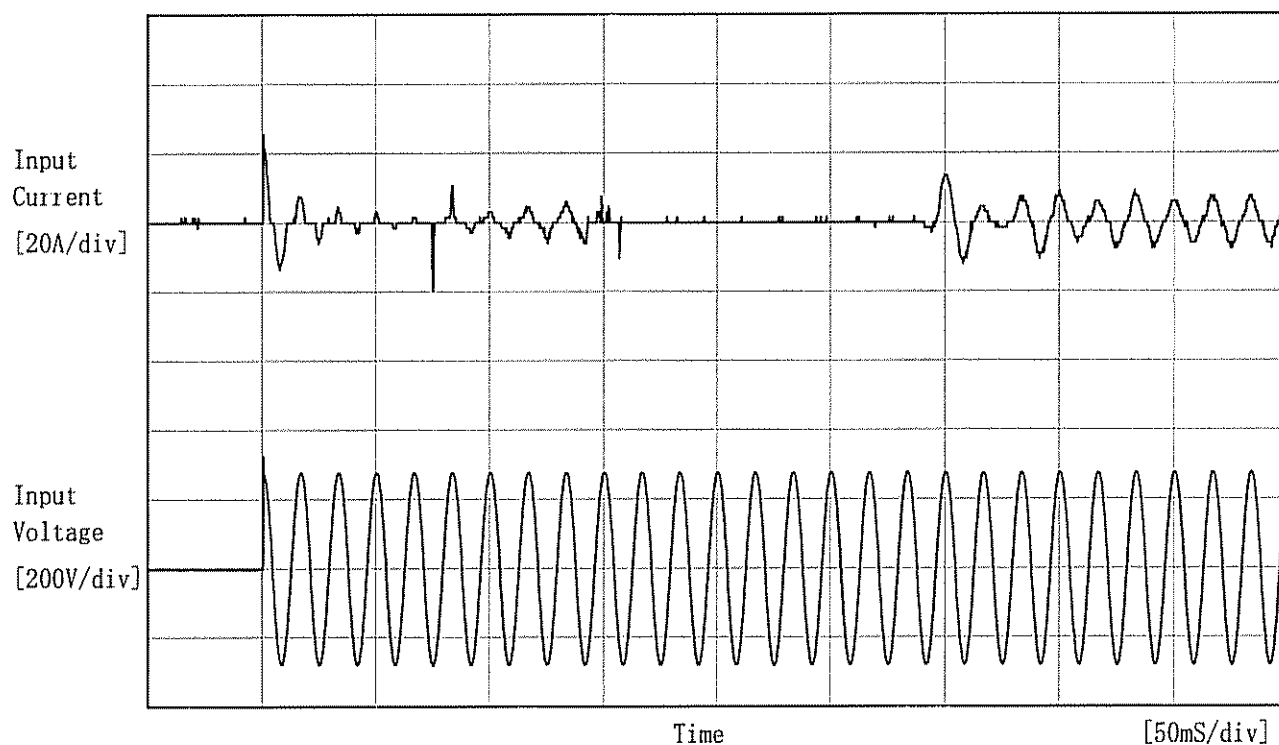
Testing Circuitry Figure A

2. Values

| Ambient Temperature [°C] | Operating Point [V] | | |
|--------------------------|---------------------|--------------------|--------------------|
| | Input Volt. 170[V] | Input Volt. 200[V] | Input Volt. 264[V] |
| -20 | 53.80 | 53.80 | 53.80 |
| -10 | 54.39 | 54.39 | 54.39 |
| 0 | 54.80 | 54.80 | 54.80 |
| 10 | 55.38 | 55.38 | 55.38 |
| 20 | 55.79 | 55.79 | 55.79 |
| 25 | 56.02 | 56.02 | 56.02 |
| 30 | 56.20 | 56.20 | 56.20 |
| 40 | 56.78 | 56.78 | 56.78 |
| 50 | 57.19 | 57.19 | 57.19 |
| 60 | 57.60 | 57.60 | 57.60 |
| -- | — | — | — |

COSEL

| | | | |
|--------|------------------------|-------------------|----------|
| Model | ADA750F (ADA750F-36) | Temperature | 25°C |
| Item | Inrush Current 突入電流 | Testing Circuitry | Figure A |
| Object | _____ | | |



Input Voltage 200 V

Frequency 60 Hz

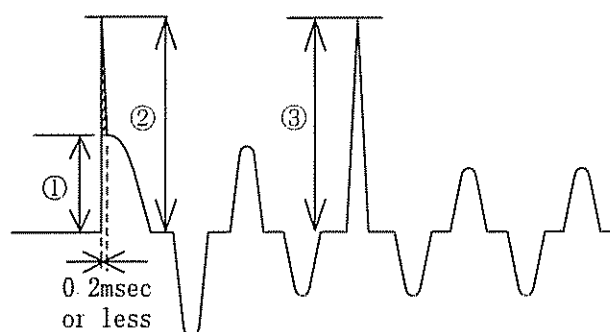
Load 100 %

Inrush Current

① 21.0 [A]

② 25.5 [A] (0.2msec or less)*1

③ 19.5 [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.

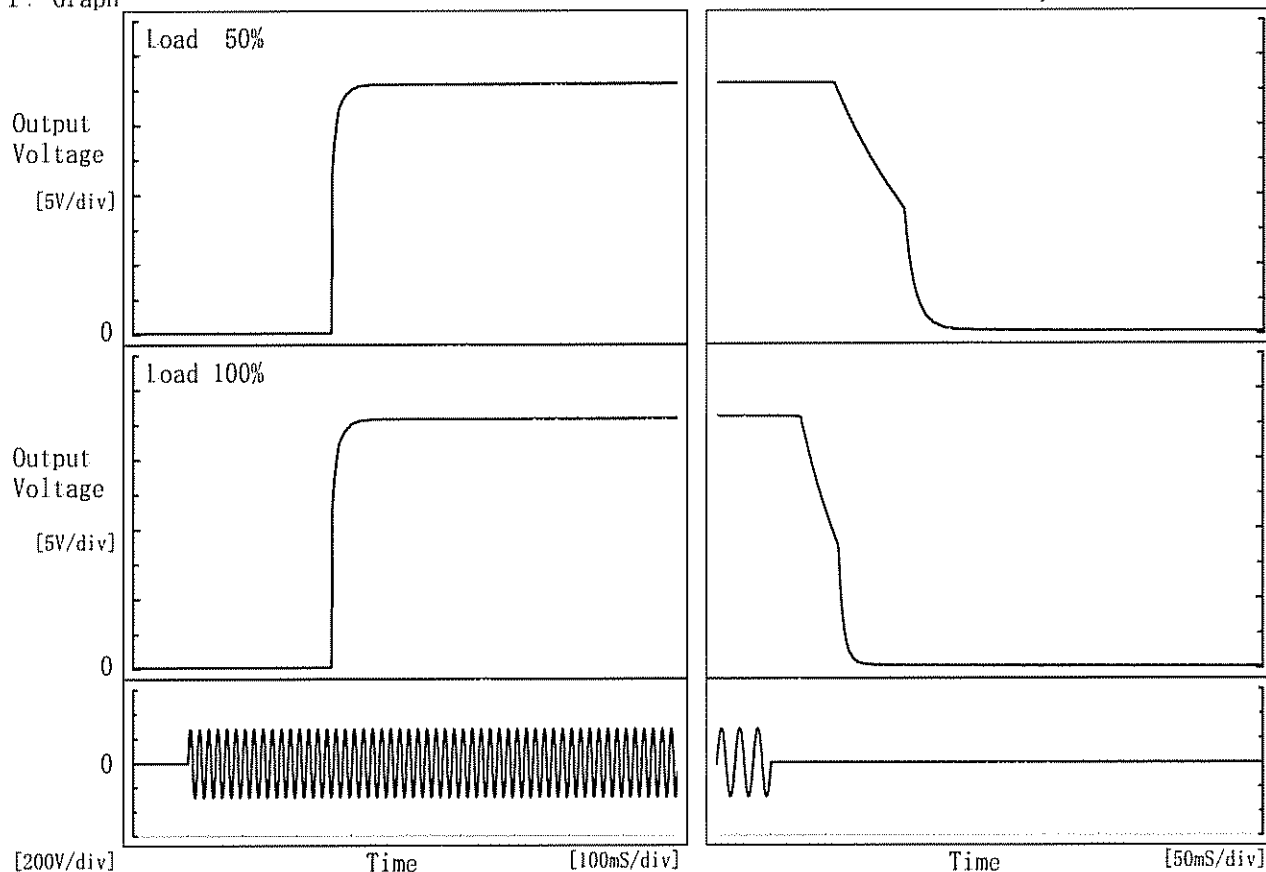
本製品の突入電流(1次サージ)の仕様は、内蔵ノイズフィルタ部へのサージ電流(0.2msec以下:波形②)を除きます。

COSEL

| | | | |
|--------|---------------------------------|-------------------|----------|
| Model | ADA750F (ADA750F-36) | Temperature | 25°C |
| Item | Rise and Fall Time 立上り、立下り時間 | Testing Circuitry | Figure A |
| Object | VI:+36V20.5A | | |

1. Graph

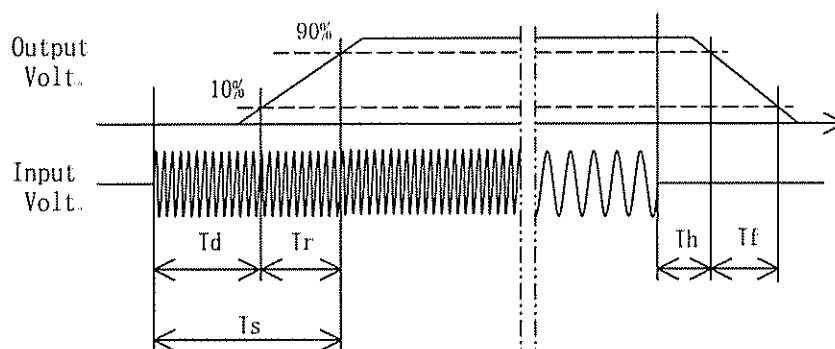
Input Volt. 200 V



2. Values

[mS]

| Load \ Time | T d | T r | T s | T h | T f |
|-------------|-------|------|-------|------|------|
| 50 % | 263.5 | 15.5 | 279.0 | 67.3 | 70.5 |
| 100 % | 263.5 | 16.0 | 279.5 | 32.0 | 37.8 |



COSEL

| | | | |
|--------|--|-------------------------------------|--|
| Model | | ADA750F (ADA750F-36) | |
| Item | | Ambient Temperature Drift 周囲温度変動 | |
| Object | | V1:+36V20.5A | |

1. Graph

—△—

Input Volt.

170 V

---□---

Input Volt.

200 V

-·-○-·-

Input Volt.

264 V

Output Voltage [V]

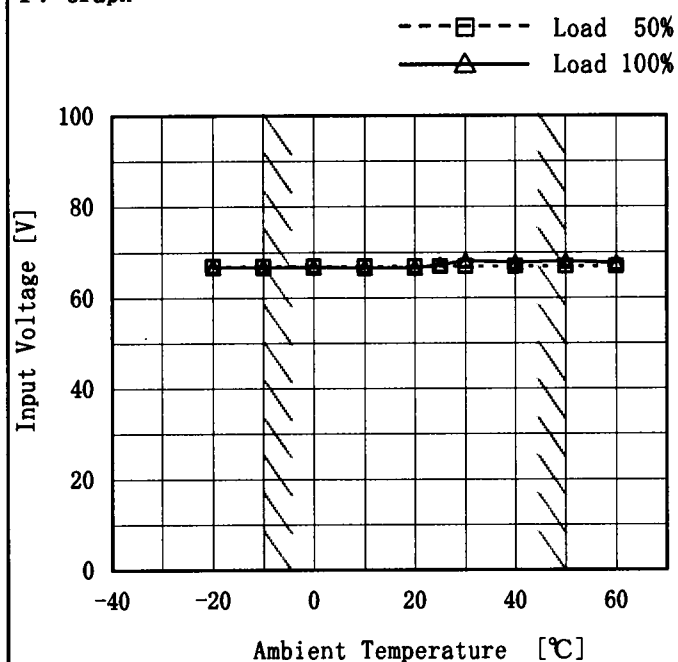
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COSEL

| | |
|--------|--|
| Model | ADA750F (ADA750F-36) |
| Item | Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧 |
| Object | V1:+36V20.5A |

Testing Circuitry Figure A

1. Graph



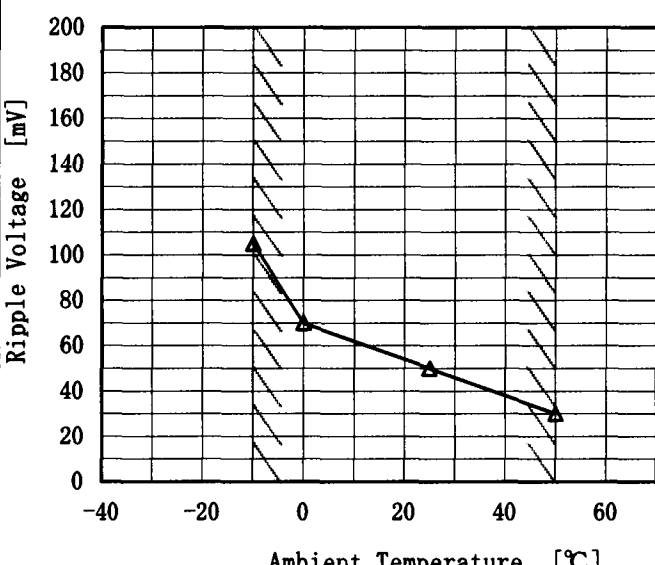
Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

2. Values

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

COSEL

| Model | ADA750F (ADA750F-36) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|---------------------------------|--------------------------|---------------------|-----|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Item | Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性) | | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | V1:+36V20.5A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><p style="text-align: center;">Ambient Temperature [°C]</p><p>Input Volt. 100 V</p><p>Load 100 %</p></div> | | <table><tr><th>Ambient Temperature [°C]</th><th>Ripple Voltage [mV]</th></tr><tr><td>-10</td><td>105</td></tr><tr><td>0</td><td>70</td></tr><tr><td>25</td><td>50</td></tr><tr><td>50</td><td>30</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></table> | | Ambient Temperature [°C] | Ripple Voltage [mV] | -10 | 105 | 0 | 70 | 25 | 50 | 50 | 30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ambient Temperature [°C] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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

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|--|----------------------------|-------------------|----------|
| | | | |
| Model | ADA750F (ADA750F-36) | | |
| Item | Time Lapse Drift 経時ドリフト | Temperature | 25℃ |
| Object | V1:+36V20.5A | Testing Circuitry | Figure A |
| 1. Graph | | 2. Values | |
| <div><div>Output Voltage [V]</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></di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| | | |

COSEL

| | | |
|--------|----------------------------------|-------------------------------|
| | | Testing Circuitry Figure A |
| Model | ADA750F (ADA750F-36) | |
| Item | Output Voltage Accuracy 定電圧精度 | |
| Object | V1:+36V20.5A | |

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℃

Input Voltage : 170 ~ 264V

Load Current : 0 ~ 20.5A

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

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

1. 定電圧精度

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

周囲温度 : -10 ~ 50℃

入力電圧 : 170 ~ 264V

負荷電流 : 0 ~ 20.5A

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

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

2. Values

| Item | Temperature [℃] | Input Voltage [V] | Output | | Output Voltage Accuracy | |
|-----------------|--------------------|----------------------|------------|------------|-------------------------|------------|
| | | | Current[A] | Voltage[V] | Value [mV] | Ration [%] |
| Maximum Voltage | -10 | 200 | 0 | 36.135 | ±29 | ±0.1 |
| Minimum Voltage | 50 | 170 | 20.5 | 36.078 | | |

COSEL

| | | | | | |
|--------|-------------------------|--|--|----------------------------------|-----------------|
| | | | | | |
| Model | ADA750F (ADA750F-36) | | | | |
| Item | Leakage Current 漏洩電流 | | | Temperature Testing Circuitry | 25℃ 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。

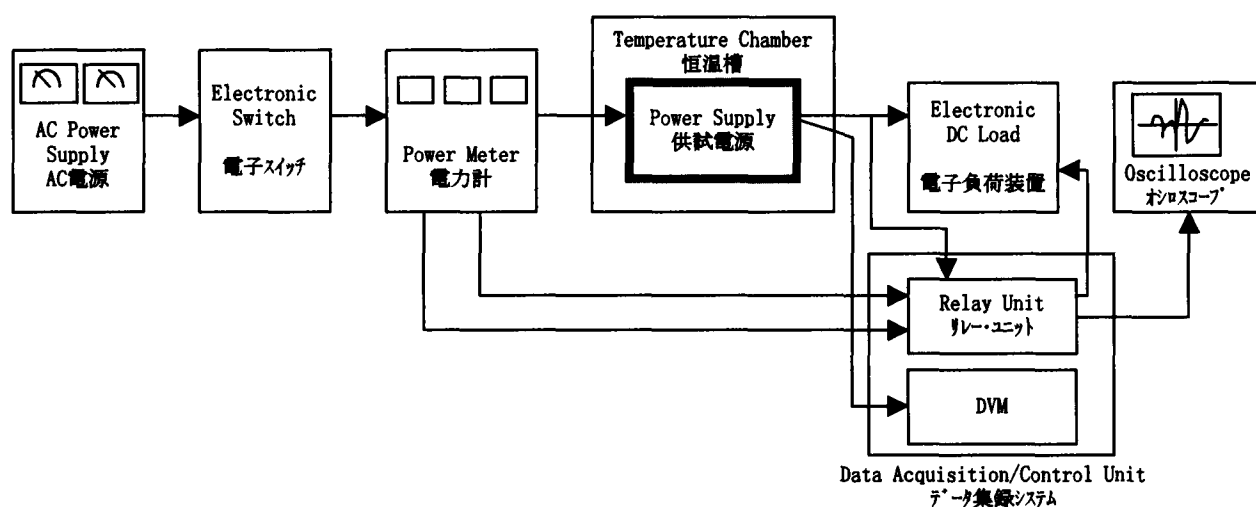


Figure A

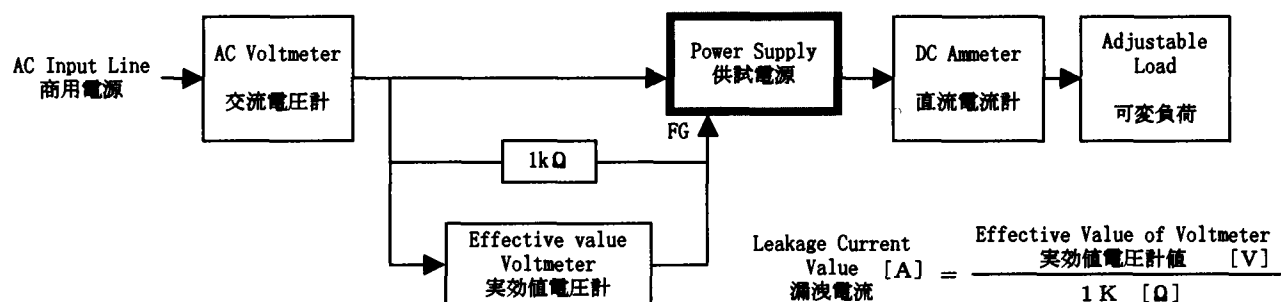


Figure B (DEN-AN)

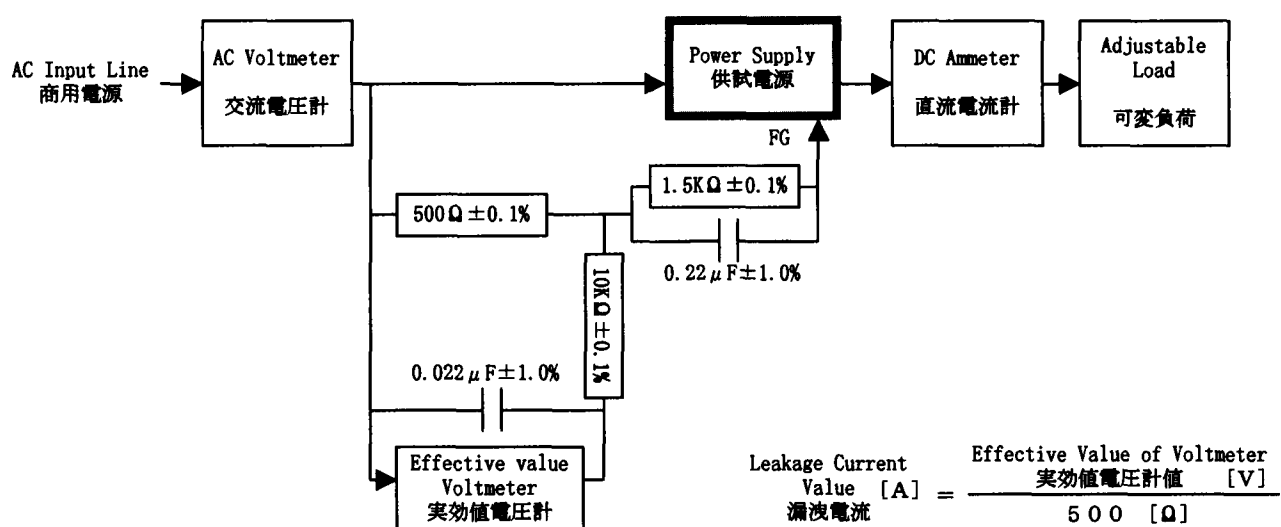


Figure B (IEC60950)