

TEST DATA OF PDA15F-5

Regulated DC Power Supply
November 22, 2023

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COSEL CO.,LTD.

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Model

PDA15F-5

Item

Input Current (by Load Current)

Object

1.Graph

—△—

Input Volt.

100V

---□---

Input Volt.

200V

-·-○-·-

Input Volt.

230V

Input Current [A]

0.5

0.4

0.3

0.2

0.1

0.0

0.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

Load Current [A]

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

2.Values

| Load Current [A] | Input Current [A] | | |
|------------------|--------------------|--------------------|--------------------|
| | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] |
| 0.0 | 0.011 | 0.008 | 0.007 |
| 0.6 | 0.086 | 0.054 | 0.049 |
| 1.2 | 0.149 | 0.093 | 0.085 |
| 1.8 | 0.211 | 0.129 | 0.117 |
| 2.4 | 0.272 | 0.164 | 0.149 |
| 3.0 | 0.333 | 0.199 | 0.181 |
| 3.3 | 0.364 | 0.217 | 0.196 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

Temperature

25°C

Testing Circuitry

Figure A

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| Model | | PDA15F-5 | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|--------------------|----------------------------|--|------------------|----------------|--|--|--------------------|--------------------|--------------------|-----|---|---|---|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | | Efficiency (by Load Current) | | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div><div>—△—</div><div>Input Volt.</div><div>100V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>230V</div></div></div> <div><div>Efficiency [%]</div><div>Load Current [A]</div></div> | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Efficiency [%]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.0</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.6</td><td>73.1</td><td>72.6</td><td>71.8</td></tr><tr><td>1.2</td><td>76.6</td><td>77.0</td><td>75.7</td></tr><tr><td>1.8</td><td>76.4</td><td>77.9</td><td>77.7</td></tr><tr><td>2.4</td><td>76.1</td><td>78.8</td><td>78.8</td></tr><tr><td>3.0</td><td>75.4</td><td>78.4</td><td>78.5</td></tr><tr><td>3.3</td><td>75.1</td><td>78.3</td><td>78.3</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 Current [A] | Efficiency [%] | | | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] | 0.0 | - | - | - | 0.6 | 73.1 | 72.6 | 71.8 | 1.2 | 76.6 | 77.0 | 75.7 | 1.8 | 76.4 | 77.9 | 77.7 | 2.4 | 76.1 | 78.8 | 78.8 | 3.0 | 75.4 | 78.4 | 78.5 | 3.3 | 75.1 | 78.3 | 78.3 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Efficiency [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 | 73.1 | 72.6 | 71.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 76.6 | 77.0 | 75.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 76.4 | 77.9 | 77.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 76.1 | 78.8 | 78.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 75.4 | 78.4 | 78.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.3 | 75.1 | 78.3 | 78.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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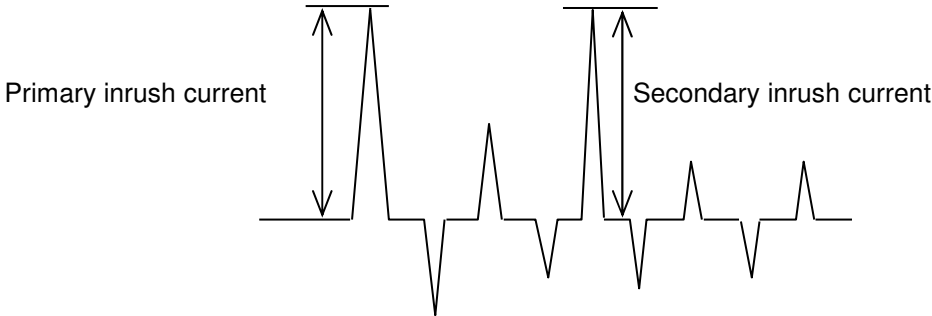
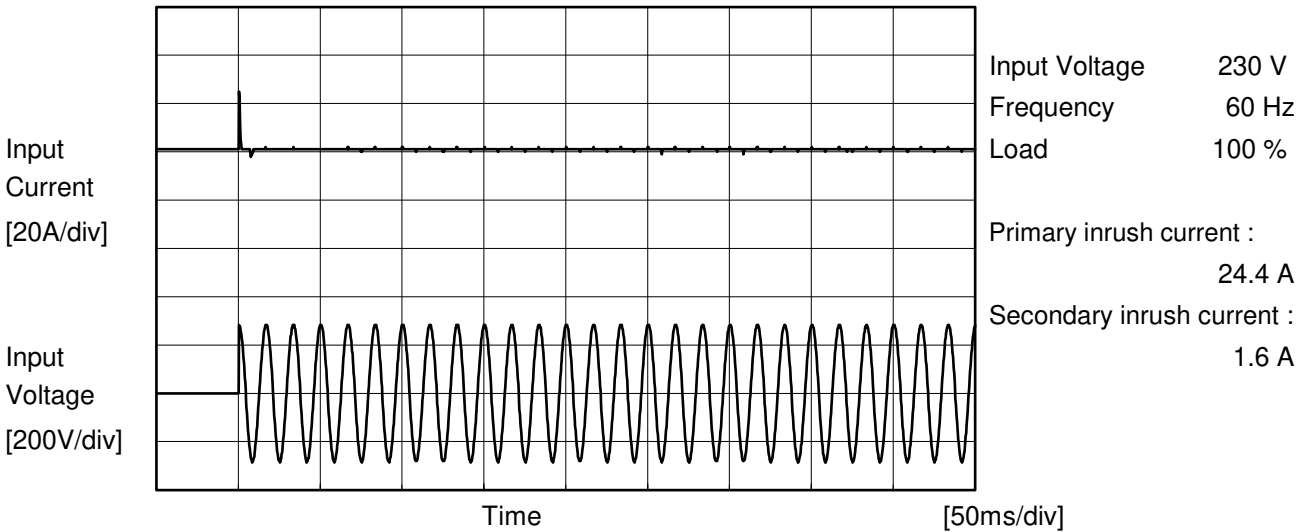
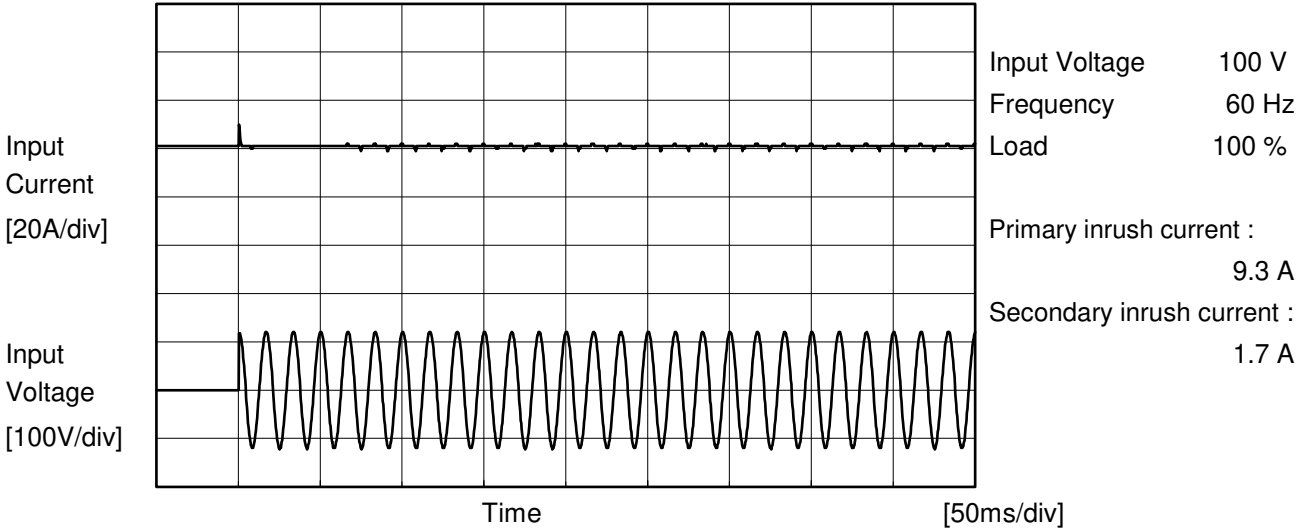
| Model | | PDA15F-5 | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|--|---|--|------------------|--------------|--|--|--------------------|--------------------|--------------------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | | Power Factor (by Load Current) | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div>—△—</div><div>---□---</div><div>---○---</div></div> <div><div>Input Volt. 100V</div><div>Input Volt. 200V</div><div>Input Volt. 230V</div></div> <p>Power Factor</p> <p>Load Current [A]</p> | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Power Factor</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.0</td><td>0.302</td><td>0.252</td><td>0.210</td></tr><tr><td>0.6</td><td>0.478</td><td>0.383</td><td>0.369</td></tr><tr><td>1.2</td><td>0.528</td><td>0.423</td><td>0.408</td></tr><tr><td>1.8</td><td>0.563</td><td>0.451</td><td>0.433</td></tr><tr><td>2.4</td><td>0.587</td><td>0.469</td><td>0.449</td></tr><tr><td>3.0</td><td>0.605</td><td>0.485</td><td>0.465</td></tr><tr><td>3.3</td><td>0.609</td><td>0.492</td><td>0.471</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 Current [A] | Power Factor | | | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] | 0.0 | 0.302 | 0.252 | 0.210 | 0.6 | 0.478 | 0.383 | 0.369 | 1.2 | 0.528 | 0.423 | 0.408 | 1.8 | 0.563 | 0.451 | 0.433 | 2.4 | 0.587 | 0.469 | 0.449 | 3.0 | 0.605 | 0.485 | 0.465 | 3.3 | 0.609 | 0.492 | 0.471 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Power Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 0.302 | 0.252 | 0.210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 | 0.478 | 0.383 | 0.369 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 0.528 | 0.423 | 0.408 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 0.563 | 0.451 | 0.433 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 0.587 | 0.469 | 0.449 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 0.605 | 0.485 | 0.465 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.3 | 0.609 | 0.492 | 0.471 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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BC-11953



| | | | |
|--------|--|----------------|--|
| Model | | PDA15F-5 | Temperature 25°C Testing Circuitry Figure A |
| Item | | Inrush Current | |
| Object | | _____ | |





| | | | |
|--------|--|-----------------|--|
| Model | | PDA15F-5 | Temperature 25°C Testing Circuitry Figure C |
| Item | | Leakage Current | |
| Object | | _____ | |

1.Results

[mA]

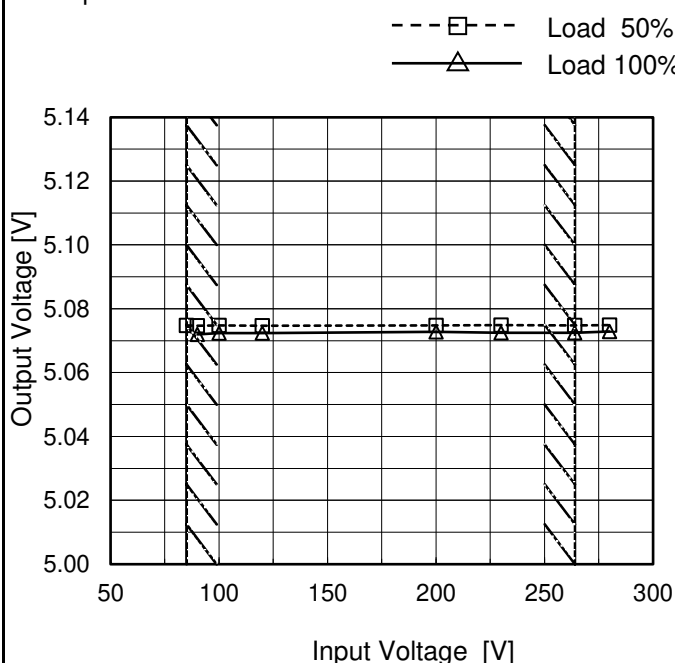
| Standards | Testing Circuitry | Measuring Method | Input Volt. | | | Note |
|------------|-------------------|------------------|-------------|---------|---------|-----------|
| | | | 100 [V] | 230 [V] | 240 [V] | |
| DEN-AN | Figure C-1 | Both phases | 0.06 | 0.14 | 0.15 | Operation |
| | | One of phases | 0.08 | 0.21 | 0.22 | Stand by |
| IEC62368-1 | Figure C-2 | Both phases | 0.06 | 0.14 | 0.15 | Operation |
| | | One of phases | 0.08 | 0.21 | 0.22 | Stand by |
| | Figure C-3 | Both phases | 0.06 | 0.14 | 0.15 | Operation |
| | | One of phases | 0.08 | 0.21 | 0.22 | Stand by |

The value for "One of phases" is the reference value only.

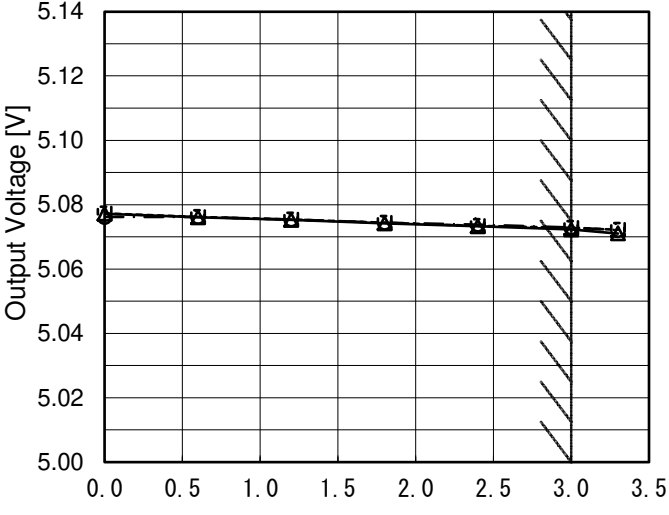
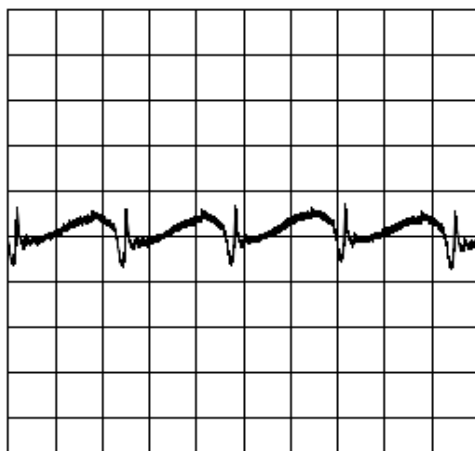
2.Condition

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

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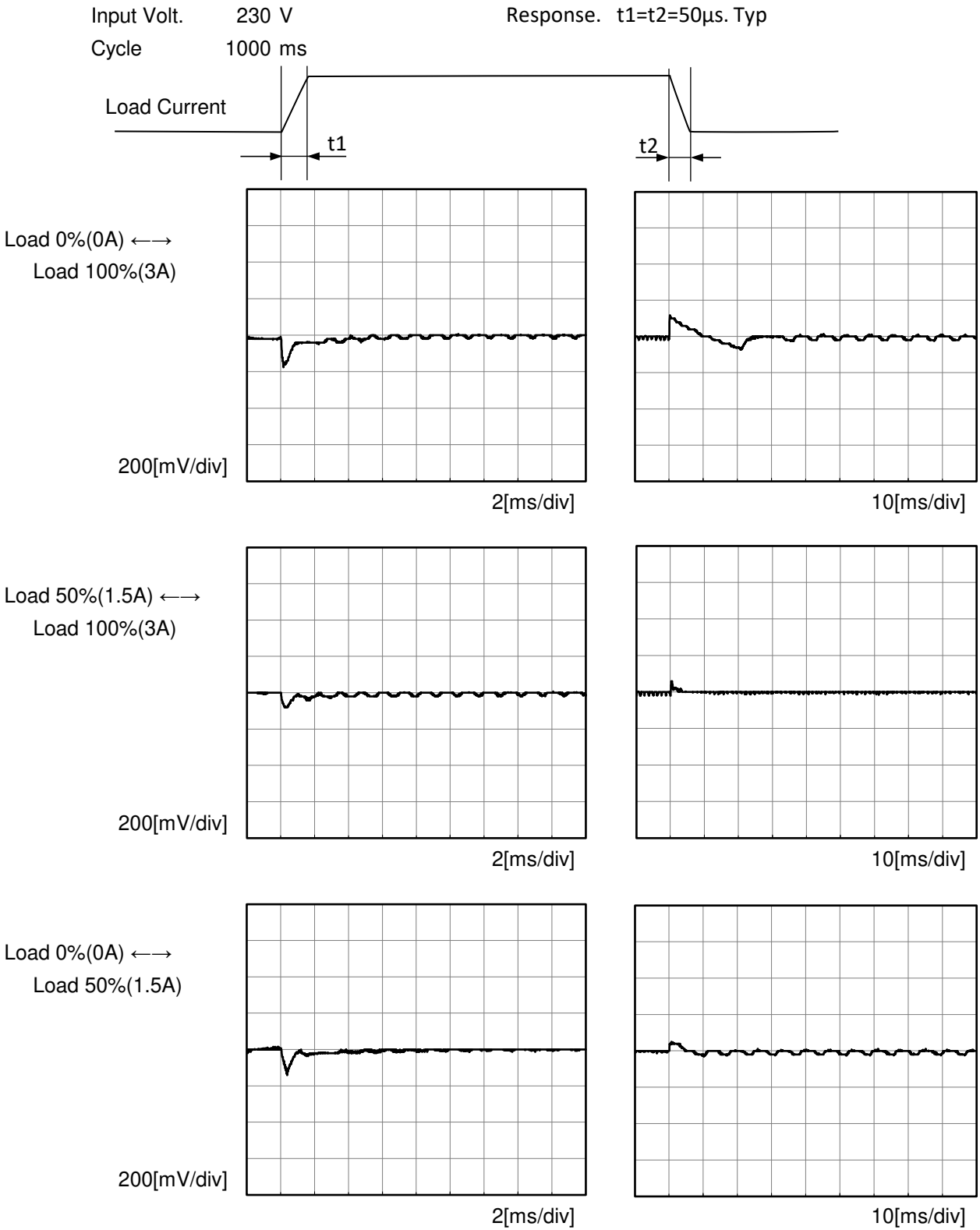
| Model | PDA15F-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|----------|-------------------|--------------------|--|----------|-----------|----|-------|---|----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|----|---|---|
| Item | Line Regulation | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +5V3A | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>---□--- Load 50%</div><div>—△— Load 100%</div></div><p>Output Voltage [V]</p><p>Input Voltage [V]</p><p>Note: Slanted line shows the range of the rated input voltage.</p></div> | | <table><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><tr><td>85</td><td>5.075</td><td>-</td></tr><tr><td>90</td><td>5.075</td><td>5.072</td></tr><tr><td>100</td><td>5.075</td><td>5.072</td></tr><tr><td>120</td><td>5.075</td><td>5.072</td></tr><tr><td>200</td><td>5.075</td><td>5.073</td></tr><tr><td>230</td><td>5.075</td><td>5.073</td></tr><tr><td>264</td><td>5.075</td><td>5.073</td></tr><tr><td>280</td><td>5.075</td><td>5.073</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | Input Voltage [V] | Output Voltage [V] | | Load 50% | Load 100% | 85 | 5.075 | - | 90 | 5.075 | 5.072 | 100 | 5.075 | 5.072 | 120 | 5.075 | 5.072 | 200 | 5.075 | 5.073 | 230 | 5.075 | 5.073 | 264 | 5.075 | 5.073 | 280 | 5.075 | 5.073 | -- | - | - |
| Input Voltage [V] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 5.075 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 5.075 | 5.072 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 5.075 | 5.072 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 5.075 | 5.072 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 5.075 | 5.073 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230 | 5.075 | 5.073 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 5.075 | 5.073 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | 5.075 | 5.073 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Model | PDA15F-5 | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|--------------------|------------------|--------------------|--|--|--------------------|--------------------|--------------------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Item | Load Regulation | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +5V3A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>100V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200V</div></div><div><div>---○---</div><div>Input Volt.</div><div>230V</div></div></div>  <p>Note: Slanted line shows the range of the rated load current.</p> | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.0</td><td>5.077</td><td>5.077</td><td>5.076</td></tr><tr><td>0.6</td><td>5.076</td><td>5.076</td><td>5.076</td></tr><tr><td>1.2</td><td>5.075</td><td>5.075</td><td>5.075</td></tr><tr><td>1.8</td><td>5.074</td><td>5.074</td><td>5.074</td></tr><tr><td>2.4</td><td>5.073</td><td>5.073</td><td>5.074</td></tr><tr><td>3.0</td><td>5.072</td><td>5.073</td><td>5.073</td></tr><tr><td>3.3</td><td>5.071</td><td>5.072</td><td>5.072</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 Current [A] | Output Voltage [V] | | | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] | 0.0 | 5.077 | 5.077 | 5.076 | 0.6 | 5.076 | 5.076 | 5.076 | 1.2 | 5.075 | 5.075 | 5.075 | 1.8 | 5.074 | 5.074 | 5.074 | 2.4 | 5.073 | 5.073 | 5.074 | 3.0 | 5.072 | 5.073 | 5.073 | 3.3 | 5.071 | 5.072 | 5.072 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Load Current [A] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 5.077 | 5.077 | 5.076 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 | 5.076 | 5.076 | 5.076 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 5.075 | 5.075 | 5.075 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 5.074 | 5.074 | 5.074 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 5.073 | 5.073 | 5.074 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 5.072 | 5.073 | 5.073 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.3 | 5.071 | 5.072 | 5.072 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Item | Ripple-Noise | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +5V3A | Testing Circuitry | Figure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Input Voltage</div><div>230V</div></div><div><div>Load</div><div>100%</div></div></div>  <div>5[mV/div]</div> <div>4[μs/div]</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



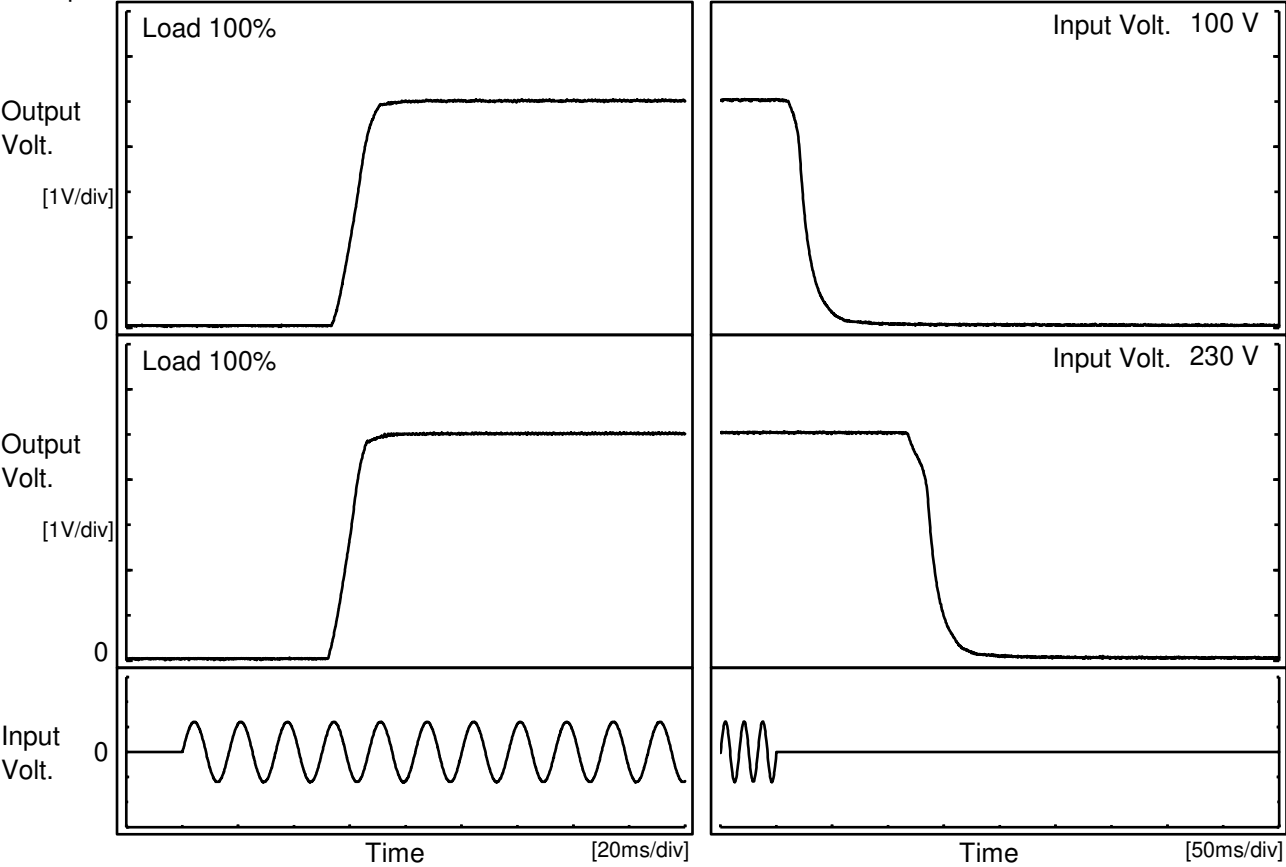
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| | | | |
| Model | PDA15F-5 | | |
| Item | Dynamic Load Response | Temperature | 25°C |
| Object | +5V3A | Testing Circuitry | Figure A |





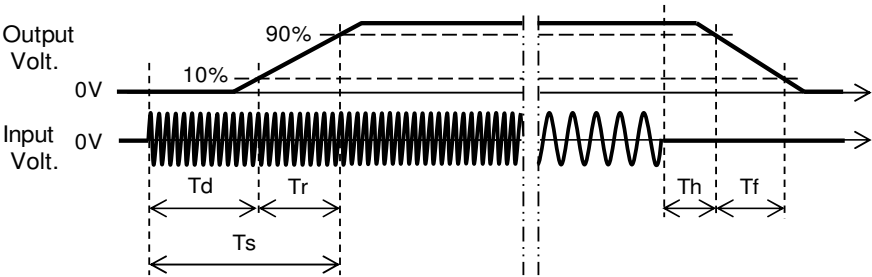
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| Model | | PDA15F-5 | Temperature 25°C Testing Circuitry Figure A |
| Item | | Rise and Fall Time | |
| Object | | +5V3A | |

1.Graph



2.Values

| | | [ms] | | | | |
|-------------|------|------|------|------|-------|------|
| Input Volt. | Time | Td | Tr | Ts | Th | Tf |
| 100 V | | 55.9 | 11.8 | 67.7 | 28.0 | 26.8 |
| 230 V | | 54.3 | 10.4 | 64.7 | 175.0 | 32.8 |





| Model | | PDA15F-5 | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----------------|--|-------------------|---------------|----------------|----|----|---|----|----|----|-----|----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|---|
| Item | | Hold-Up Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +5V3A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <table><tr><th>Input Voltage [V]</th><th>Load 50% [ms]</th><th>Load 100% [ms]</th></tr><tr><td>85</td><td>39</td><td>-</td></tr><tr><td>90</td><td>45</td><td>16</td></tr><tr><td>100</td><td>58</td><td>24</td></tr><tr><td>120</td><td>87</td><td>45</td></tr><tr><td>200</td><td>264</td><td>130</td></tr><tr><td>230</td><td>356</td><td>175</td></tr><tr><td>264</td><td>476</td><td>235</td></tr><tr><td>280</td><td>540</td><td>265</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | | | Input Voltage [V] | Load 50% [ms] | Load 100% [ms] | 85 | 39 | - | 90 | 45 | 16 | 100 | 58 | 24 | 120 | 87 | 45 | 200 | 264 | 130 | 230 | 356 | 175 | 264 | 476 | 235 | 280 | 540 | 265 | -- | - |
| Input Voltage [V] | Load 50% [ms] | Load 100% [ms] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 39 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 45 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 120 | 87 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 264 | 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230 | 356 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 280 | 540 | 265 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 input voltage.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Model

PDA15F-5

Item

Instantaneous Interruption Compensation

Object

+5V3A

1.Graph

—△—

Input Volt.

100V

---□---

Input Volt.

200V

-○-

Input Volt.

230V

Instantaneous Compensation Time [ms]

| Load Current [A] | 100V Time [ms] | 200V Time [ms] | 230V Time [ms] |
|------------------|----------------|----------------|----------------|
| 0.6 | 145 | 629 | 840 |
| 1.2 | 73 | 328 | 441 |
| 1.8 | 46 | 218 | 294 |
| 2.4 | 31 | 160 | 216 |
| 3.0 | 20 | 116 | 163 |
| 3.3 | 14 | 85 | 123 |

Load Current [A]

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

2.Values

| Load Current [A] | Time [ms] | | |
|------------------|--------------------|--------------------|--------------------|
| | Input Volt. 100[V] | Input Volt. 200[V] | Input Volt. 230[V] |
| 0.0 | - | - | - |
| 0.6 | 145 | 629 | 840 |
| 1.2 | 73 | 328 | 441 |
| 1.8 | 46 | 218 | 294 |
| 2.4 | 31 | 160 | 216 |
| 3.0 | 20 | 116 | 163 |
| 3.3 | 14 | 85 | 123 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

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BC-11953

COSEL

| Model | PDA15F-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|---|----------|--------------------|------------------|--|--------------------|--------------------|------|------|------|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|
| Item | Overcurrent Protection | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +5V3A | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div></div>Input Volt. 100V</div><div><div></div>Input Volt. 230V</div></div> <p>Note: Slanted line shows the range of the rated load current.</p> <p>Overcurrent protection is Hiccup mode.</p> | | <table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="2">Load Current [A]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>5.00</td><td>3.61</td><td>3.76</td></tr><tr><td>4.75</td><td>-</td><td>-</td></tr><tr><td>4.50</td><td>-</td><td>-</td></tr><tr><td>4.00</td><td>-</td><td>-</td></tr><tr><td>3.50</td><td>-</td><td>-</td></tr><tr><td>3.00</td><td>-</td><td>-</td></tr><tr><td>2.50</td><td>-</td><td>-</td></tr><tr><td>2.00</td><td>-</td><td>-</td></tr><tr><td>1.50</td><td>-</td><td>-</td></tr><tr><td>1.00</td><td>-</td><td>-</td></tr><tr><td>0.50</td><td>-</td><td>-</td></tr><tr><td>0.00</td><td>-</td><td>-</td></tr></table> | | Output Voltage [V] | Load Current [A] | | Input Volt. 100[V] | Input Volt. 230[V] | 5.00 | 3.61 | 3.76 | 4.75 | - | - | 4.50 | - | - | 4.00 | - | - | 3.50 | - | - | 3.00 | - | - | 2.50 | - | - | 2.00 | - | - | 1.50 | - | - | 1.00 | - | - | 0.50 | - | - | 0.00 | - | - |
| Output Voltage [V] | Load Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 100[V] | Input Volt. 230[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.00 | 3.61 | 3.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.75 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.50 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.50 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.00 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.50 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.00 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.50 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.00 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.50 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

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|---|--|--|
| | | Testing Circuitry Figure A |
| Model | PDA15F-5 | |
| Item | Ambient Temperature Drift | |
| Object | +5V3A | |
| 1.Values Load 100% | | |
| Ambient Temperature [°C] | | Output Voltage [V] |
| | | Input Volt. 100V Input Volt. 200V Input Volt. 230V |
| -10 | 5.058 | 5.059 5.059 |
| 25 | 5.072 | 5.073 5.073 |
| 55 | 5.070 | 5.070 5.071 |
| | | |
| Item | Minimum Input Voltage for Regulated Output Voltage | Testing Circuitry Figure A |
| Object | +5V3A | |
| 1.Values | | |
| Ambient Temperature [°C] | | Input Voltage [V] |
| | | Load 50% Load 100% |
| -10 | 33 | 69 |
| 25 | 33 | 68 |
| 55 | 32 | 67 |
| | | |
| Item | Overvoltage Protection | Testing Circuitry Figure A |
| Object | +5V3A | |
| 1.Values Load 0% | | |
| Ambient Temperature [°C] | | Operating Point [V] |
| | | Input Volt. 100V Input Volt. 230V |
| -20 | 6.30 | 6.30 |
| 25 | 6.30 | 6.30 |
| 55 | 6.30 | 6.30 |

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BC-11953

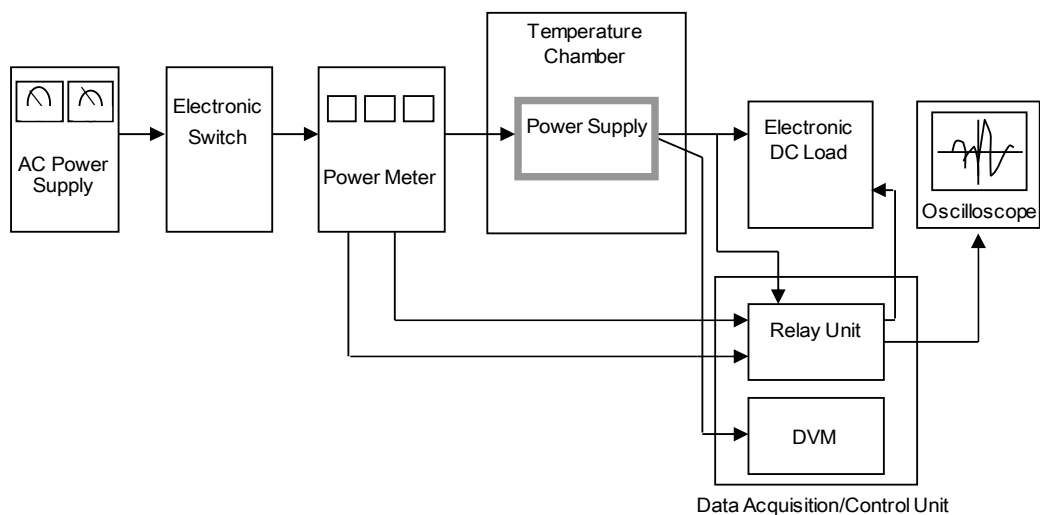


Figure A

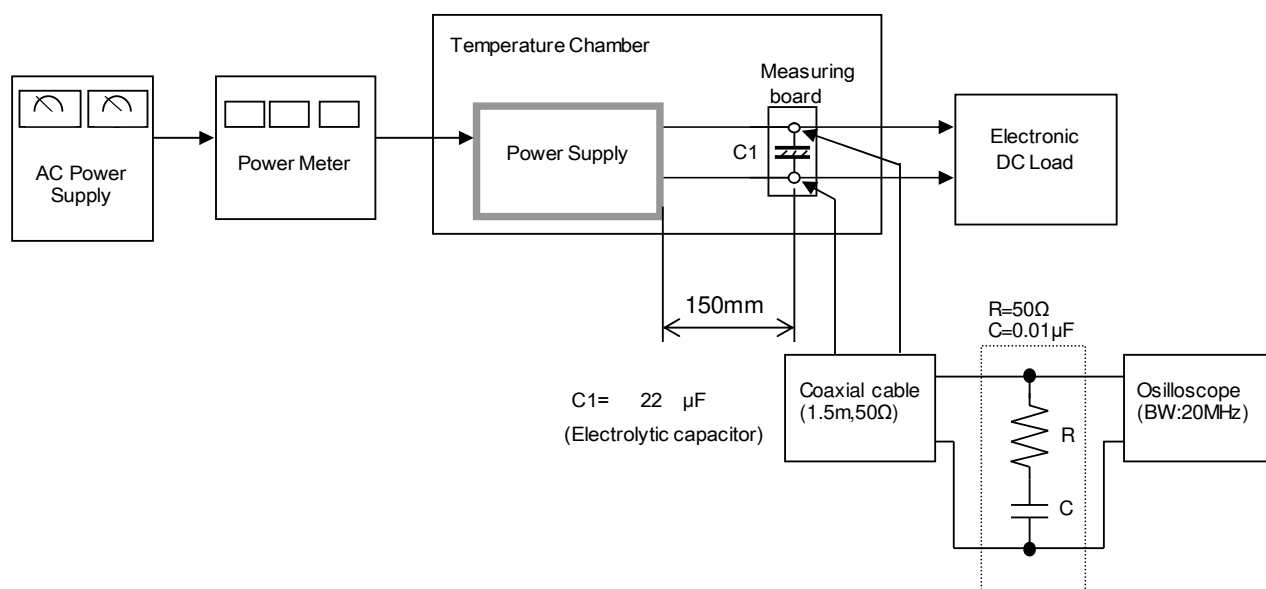


Figure B

