



TEST DATA OF SUW100515 SUCW100515

Regulated DC Power Supply
Mar 28, 2005

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COSEL CO.,LTD.

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|--------|--|----------------------------------|--|
| Model | | SUW100515/SUCW100515 | |
| Item | | Input Current (by Input Voltage) | |
| Object | | | |

1.Graph

—△—

Load 100%

---□---

Load 50%

---○---

Load 0%

Input Current [A]

5.0

4.0

3.0

2.0

1.0

0.0

0

2

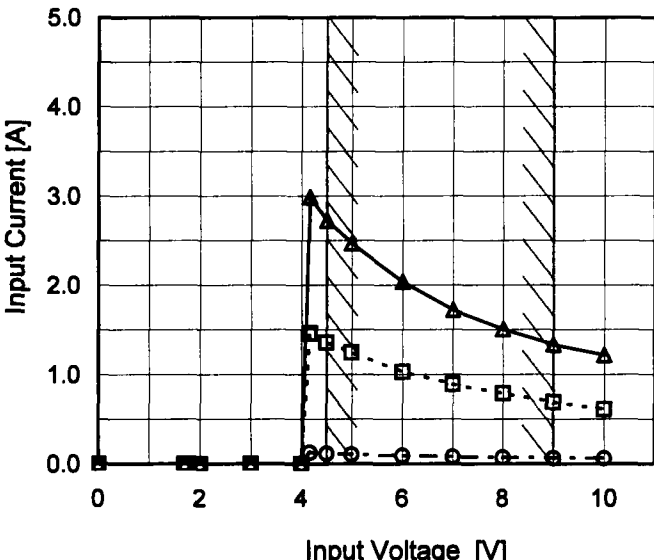
4

6

8

10

Input Voltage [V]



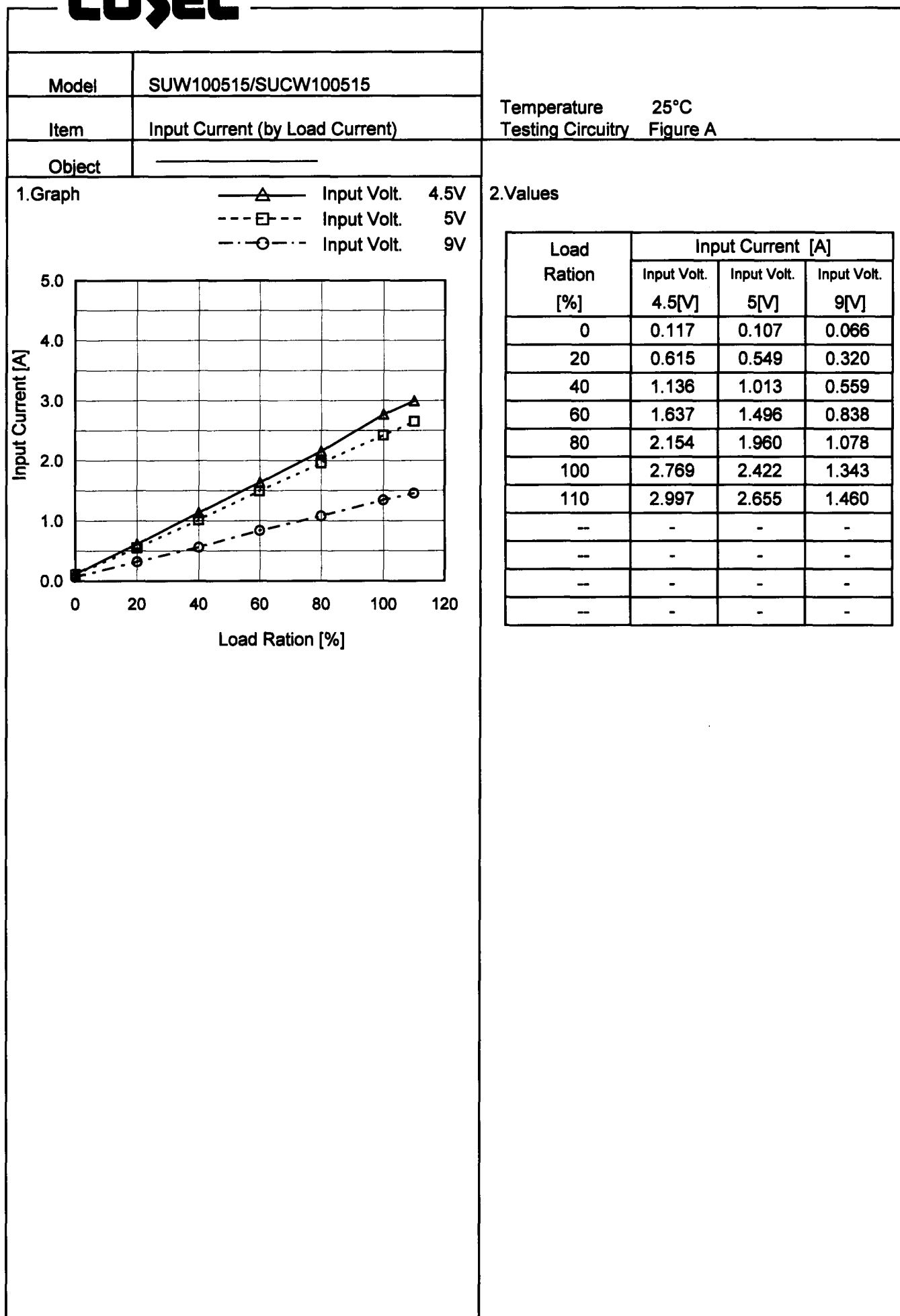
Note: Slanted line shows the range of the rated input voltage.

2.Values

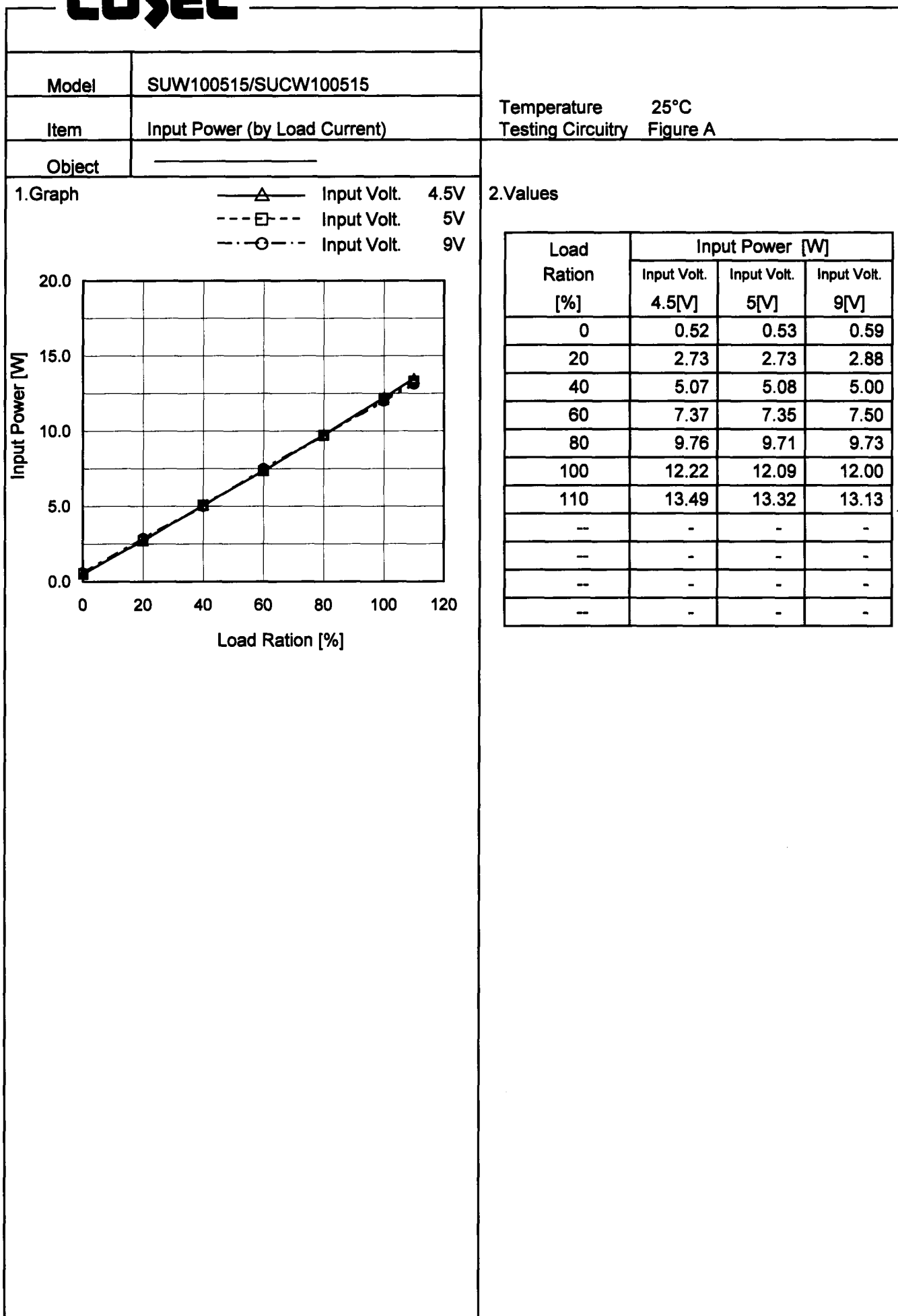
| Input Voltage [V] | Input Current [A] | | |
|-------------------|-------------------|----------|-----------|
| | Load 0% | Load 50% | Load 100% |
| 0.00 | 0.000 | 0.000 | 0.000 |
| 1.70 | 0.000 | 0.000 | 0.000 |
| 2.00 | 0.000 | 0.000 | 0.000 |
| 3.00 | 0.000 | 0.000 | 0.000 |
| 4.00 | 0.000 | 0.000 | 0.000 |
| 4.16 | 0.126 | 1.463 | 2.990 |
| 4.50 | 0.117 | 1.356 | 2.727 |
| 5.00 | 0.105 | 1.245 | 2.471 |
| 6.00 | 0.092 | 1.031 | 2.040 |
| 7.00 | 0.080 | 0.891 | 1.723 |
| 8.00 | 0.071 | 0.789 | 1.507 |
| 9.00 | 0.065 | 0.688 | 1.335 |
| 10.00 | 0.059 | 0.612 | 1.219 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

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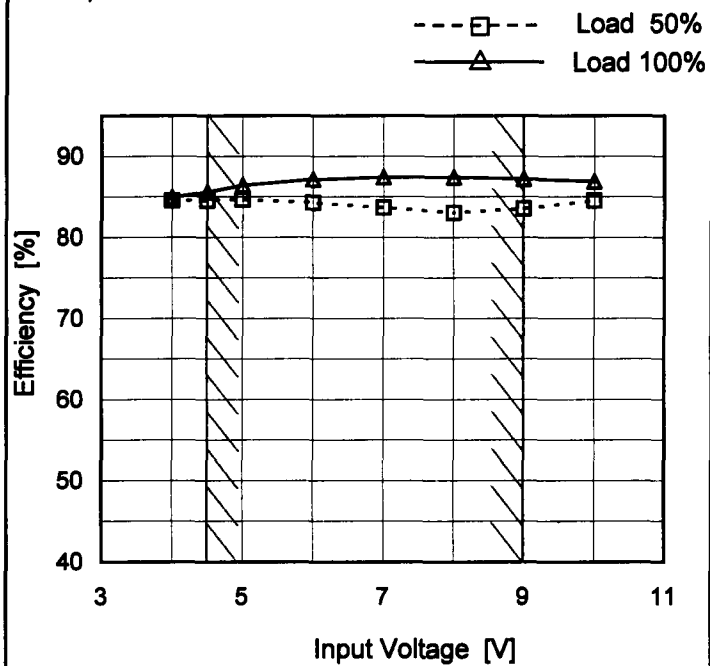


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Model SUW100515/SUCW100515

Item Efficiency (by Input Voltage)

Object
Temperature 25°C
Testing Circuitry Figure A

1. Graph


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

2. Values

| Input Voltage [V] | Efficiency [%] | |
|-------------------|----------------|-----------|
| | Load 50% | Load 100% |
| 4.0 | 84.5 | 84.9 |
| 4.5 | 84.5 | 85.6 |
| 5.0 | 84.6 | 86.4 |
| 6.0 | 84.2 | 87.1 |
| 7.0 | 83.7 | 87.4 |
| 8.0 | 83.0 | 87.4 |
| 9.0 | 83.5 | 87.2 |
| 10.0 | 84.5 | 86.9 |
| — | — | — |

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Model SUW100515/SUCW100515

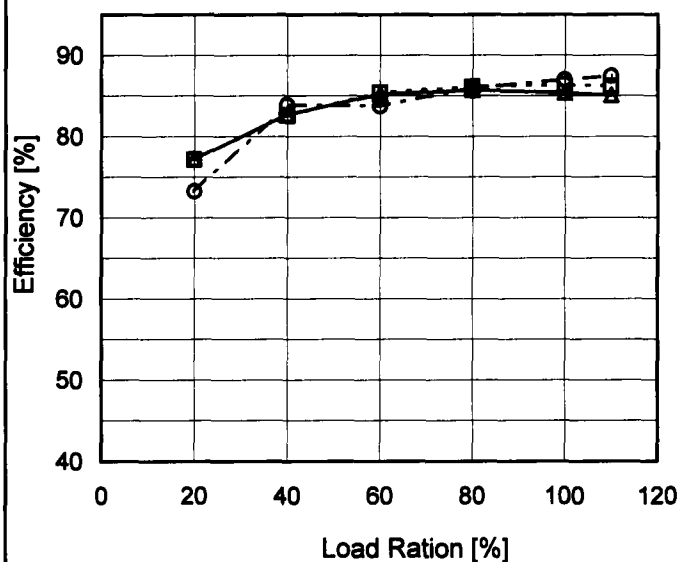
Item Efficiency (by Load Current)

Object

Temperature 25°C
Testing Circuitry Figure A

1. Graph

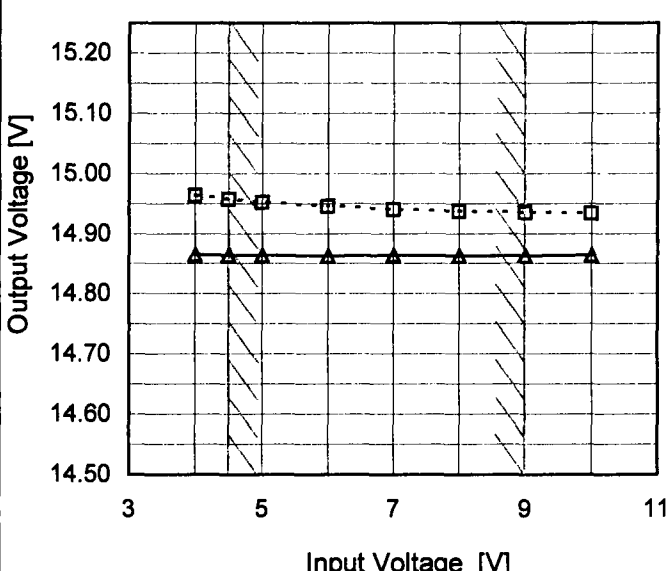
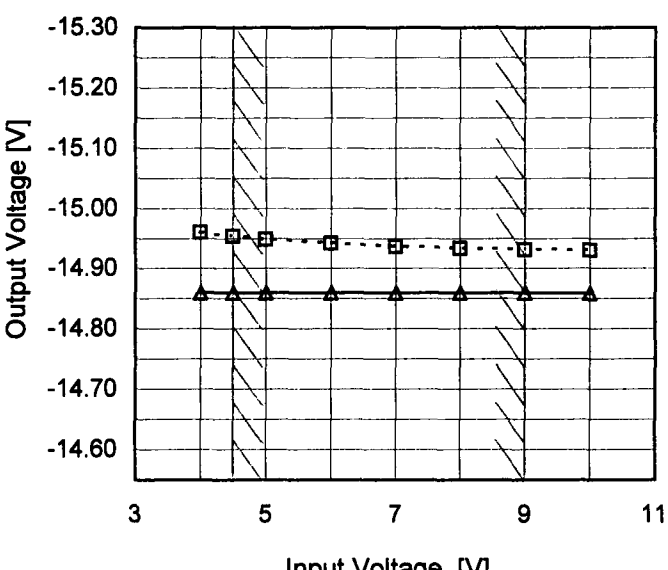
—△— Input Volt. 4.5V
---□--- Input Volt. 5V
-·-○-·- Input Volt. 9V



2. Values

| Load Ration [%] | Efficiency [%] | | |
|-----------------|--------------------|------------------|------------------|
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] |
| 0 | - | - | - |
| 20 | 77.3 | 77.2 | 73.3 |
| 40 | 82.7 | 82.5 | 83.9 |
| 60 | 85.2 | 85.4 | 83.7 |
| 80 | 85.7 | 86.1 | 86.0 |
| 100 | 85.4 | 86.3 | 87.0 |
| 110 | 85.1 | 86.2 | 87.4 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

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| Model | | SUW100515/SUCW100515 | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--------------------|--|----------|-----------|-----|---------|---------|-----|---------|---------|-----|---------|---------|-----|---------|---------|-----|---------|---------|-----|---------|---------|-----|---------|---------|------|---------|---------|----|---|---|
| Item | | Line Regulation | | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Load 50%</div></div><div><div>Load 100%</div></div></div></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>4.0</td><td>14.964</td><td>14.865</td></tr><tr><td>4.5</td><td>14.957</td><td>14.865</td></tr><tr><td>5.0</td><td>14.952</td><td>14.864</td></tr><tr><td>6.0</td><td>14.945</td><td>14.864</td></tr><tr><td>7.0</td><td>14.940</td><td>14.864</td></tr><tr><td>8.0</td><td>14.937</td><td>14.864</td></tr><tr><td>9.0</td><td>14.935</td><td>14.864</td></tr><tr><td>10.0</td><td>14.933</td><td>14.864</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | Input Voltage [V] | Output Voltage [V] | | Load 50% | Load 100% | 4.0 | 14.964 | 14.865 | 4.5 | 14.957 | 14.865 | 5.0 | 14.952 | 14.864 | 6.0 | 14.945 | 14.864 | 7.0 | 14.940 | 14.864 | 8.0 | 14.937 | 14.864 | 9.0 | 14.935 | 14.864 | 10.0 | 14.933 | 14.864 | -- | - | - |
| Input Voltage [V] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 14.964 | 14.865 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.5 | 14.957 | 14.865 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | 14.952 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 14.945 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | 14.940 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | 14.937 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0 | 14.935 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 | 14.933 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | -15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Load 50%</div></div><div><div>Load 100%</div></div></div></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>4.0</td><td>-14.960</td><td>-14.860</td></tr><tr><td>4.5</td><td>-14.954</td><td>-14.860</td></tr><tr><td>5.0</td><td>-14.949</td><td>-14.861</td></tr><tr><td>6.0</td><td>-14.942</td><td>-14.861</td></tr><tr><td>7.0</td><td>-14.936</td><td>-14.860</td></tr><tr><td>8.0</td><td>-14.933</td><td>-14.860</td></tr><tr><td>9.0</td><td>-14.931</td><td>-14.860</td></tr><tr><td>10.0</td><td>-14.930</td><td>-14.859</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | Input Voltage [V] | Output Voltage [V] | | Load 50% | Load 100% | 4.0 | -14.960 | -14.860 | 4.5 | -14.954 | -14.860 | 5.0 | -14.949 | -14.861 | 6.0 | -14.942 | -14.861 | 7.0 | -14.936 | -14.860 | 8.0 | -14.933 | -14.860 | 9.0 | -14.931 | -14.860 | 10.0 | -14.930 | -14.859 | -- | - | - |
| Input Voltage [V] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | -14.960 | -14.860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.5 | -14.954 | -14.860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | -14.949 | -14.861 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | -14.942 | -14.861 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | -14.936 | -14.860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | -14.933 | -14.860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0 | -14.931 | -14.860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 | -14.930 | -14.859 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated input voltage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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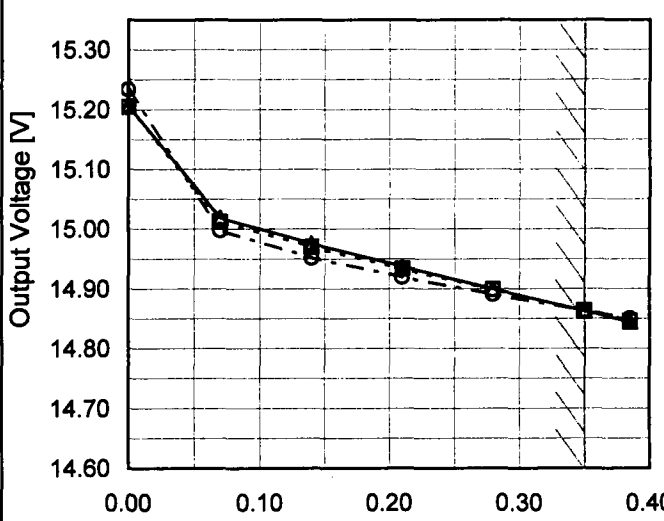
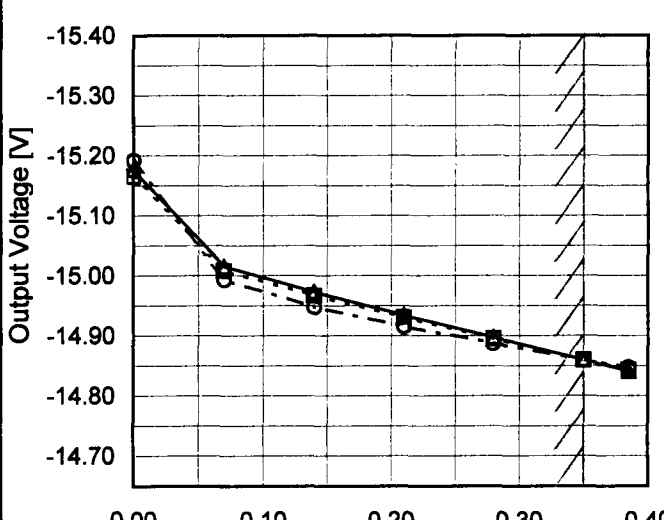
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△

Load 100%

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| Model | | SUW100515/SUCW100515 | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------|--------------------|--|--|--------------------|------------------|------------------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | | Load Regulation | | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div><div>—△—</div><div>Input Volt.</div><div>4.5V</div></div><div><div>---□---</div><div>Input Volt.</div><div>5V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>9V</div></div></div> | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>Output Voltage [V]</div><div></div><div>Load Current [A]</div></div> | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>0.000</td><td>15.208</td><td>15.205</td><td>15.234</td></tr><tr><td>0.070</td><td>15.019</td><td>15.012</td><td>14.998</td></tr><tr><td>0.140</td><td>14.976</td><td>14.970</td><td>14.952</td></tr><tr><td>0.210</td><td>14.937</td><td>14.933</td><td>14.920</td></tr><tr><td>0.280</td><td>14.900</td><td>14.899</td><td>14.891</td></tr><tr><td>0.350</td><td>14.863</td><td>14.864</td><td>14.864</td></tr><tr><td>0.385</td><td>14.845</td><td>14.846</td><td>14.850</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. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | 0.000 | 15.208 | 15.205 | 15.234 | 0.070 | 15.019 | 15.012 | 14.998 | 0.140 | 14.976 | 14.970 | 14.952 | 0.210 | 14.937 | 14.933 | 14.920 | 0.280 | 14.900 | 14.899 | 14.891 | 0.350 | 14.863 | 14.864 | 14.864 | 0.385 | 14.845 | 14.846 | 14.850 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.000 | 15.208 | 15.205 | 15.234 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.070 | 15.019 | 15.012 | 14.998 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.140 | 14.976 | 14.970 | 14.952 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.210 | 14.937 | 14.933 | 14.920 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.280 | 14.900 | 14.899 | 14.891 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.350 | 14.863 | 14.864 | 14.864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.385 | 14.845 | 14.846 | 14.850 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | -15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div><div>—△—</div><div>Input Volt.</div><div>4.5V</div></div><div><div>---□---</div><div>Input Volt.</div><div>5V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>9V</div></div></div> | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>Output Voltage [V]</div><div></div><div>Load Current [A]</div></div> | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>0.000</td><td>-15.177</td><td>-15.166</td><td>-15.192</td></tr><tr><td>0.070</td><td>-15.016</td><td>-15.008</td><td>-14.993</td></tr><tr><td>0.140</td><td>-14.973</td><td>-14.967</td><td>-14.948</td></tr><tr><td>0.210</td><td>-14.934</td><td>-14.930</td><td>-14.916</td></tr><tr><td>0.280</td><td>-14.897</td><td>-14.895</td><td>-14.887</td></tr><tr><td>0.350</td><td>-14.860</td><td>-14.860</td><td>-14.860</td></tr><tr><td>0.385</td><td>-14.842</td><td>-14.844</td><td>-14.847</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. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | 0.000 | -15.177 | -15.166 | -15.192 | 0.070 | -15.016 | -15.008 | -14.993 | 0.140 | -14.973 | -14.967 | -14.948 | 0.210 | -14.934 | -14.930 | -14.916 | 0.280 | -14.897 | -14.895 | -14.887 | 0.350 | -14.860 | -14.860 | -14.860 | 0.385 | -14.842 | -14.844 | -14.847 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.000 | -15.177 | -15.166 | -15.192 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.070 | -15.016 | -15.008 | -14.993 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.140 | -14.973 | -14.967 | -14.948 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.210 | -14.934 | -14.930 | -14.916 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.280 | -14.897 | -14.895 | -14.887 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.350 | -14.860 | -14.860 | -14.860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.385 | -14.842 | -14.844 | -14.847 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

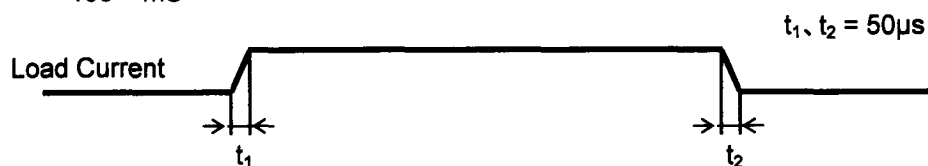
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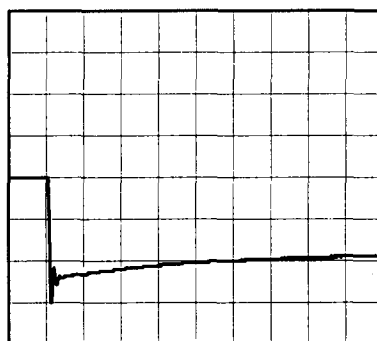
| | | | |
|--------|-----------------------|-------------------|----------|
| Model | SUW100515/SUCW100515 | Temperature | 25°C |
| Item | Dynamic Load Response | Testing Circuitry | Figure A |
| Object | +15V0.35A | | |

Input Volt. 5 V
Cycle 100 mS

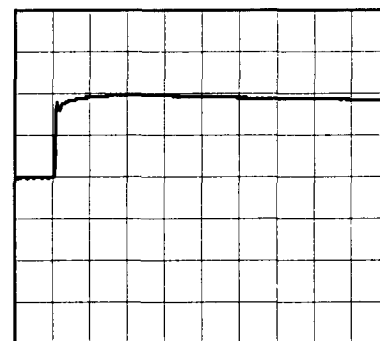


Min. Load (0A) \longleftrightarrow
Load 100% (0.35A)

200mV/div



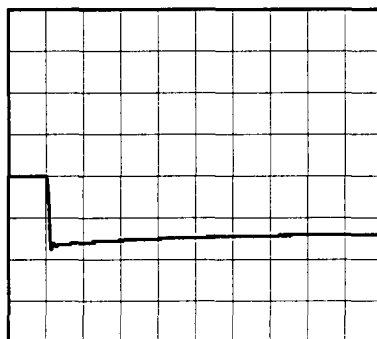
500µs/div



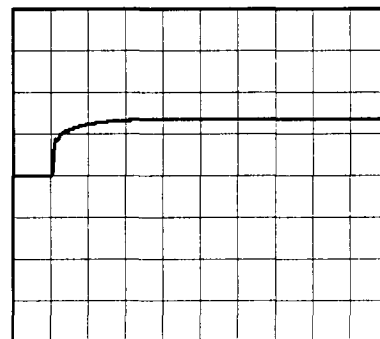
500µs/div

Min. Load (0A) \longleftrightarrow
Load 50% (0.175A)

200mV/div



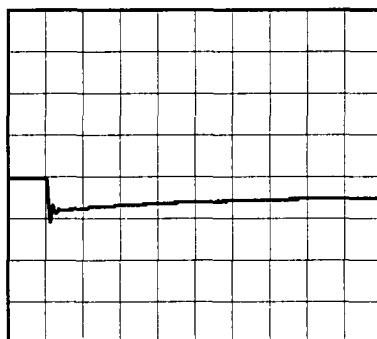
500µs/div



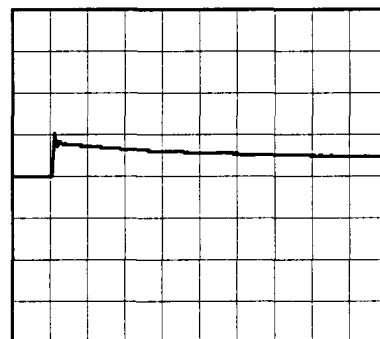
500µs/div

Load 50% (0.175A) \longleftrightarrow
Load 100% (0.35A)

200mV/div



500µs/div

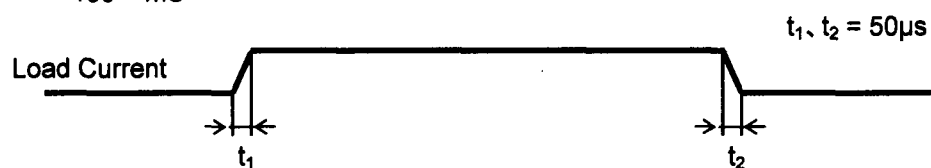


500µs/div

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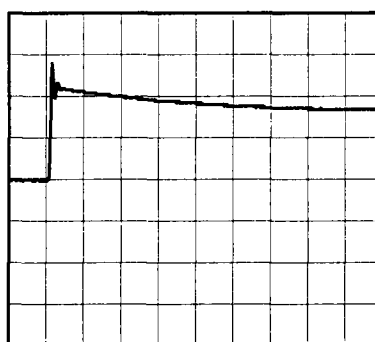
| | | | |
|--------|-----------------------|-------------------|----------|
| Model | SUW100515/SUCW100515 | Temperature | 25°C |
| Item | Dynamic Load Response | Testing Circuitry | Figure A |
| Object | -15V0.35A | | |

Input Volt. 5 V
Cycle 100 mS

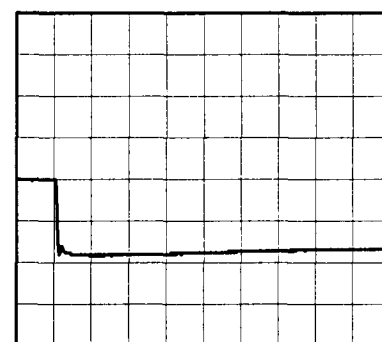


Min. Load (0A) \longleftrightarrow
Load 100% (0.35A)

200mV/div



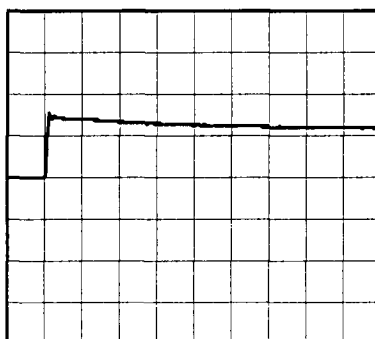
500µs/div



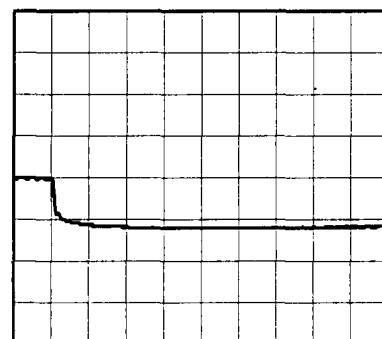
500µs/div

Min. Load (0A) \longleftrightarrow
Load 50% (0.175A)

200mV/div



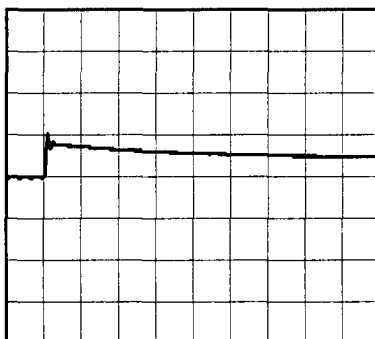
500µs/div



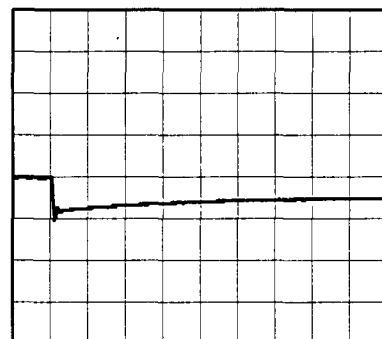
500µs/div

Load 50% (0.175A) \longleftrightarrow
Load 100% (0.35A)

200mV/div



500µs/div



500µs/div

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| Model | | SUW100515/SUCW100515 | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Item | | Ripple Voltage (by Load Current) | | Testing Circuitry Figure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△— Input Volt. 4.5V</div><div>-·-○-·- Input Volt. 9V</div></div><div>Ripple Voltage [mV]</div><div>Load Current [A]</div></div> | | | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Input Volt. 4.5 [V]</th><th>Input Volt. 9 [V]</th></tr><tr><td>0.000</td><td>2</td><td>3</td></tr><tr><td>0.070</td><td>2</td><td>3</td></tr><tr><td>0.140</td><td>3</td><td>3</td></tr><tr><td>0.210</td><td>4</td><td>4</td></tr><tr><td>0.280</td><td>5</td><td>4</td></tr><tr><td>0.350</td><td>6</td><td>5</td></tr><tr><td>0.385</td><td>6</td><td>5</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | Load Current [A] | Ripple Voltage [mV] | | Input Volt. 4.5 [V] | Input Volt. 9 [V] | 0.000 | 2 | 3 | 0.070 | 2 | 3 | 0.140 | 3 | 3 | 0.210 | 4 | 4 | 0.280 | 5 | 4 | 0.350 | 6 | 5 | 0.385 | 6 | 5 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Load Current [A] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5 [V] | Input Volt. 9 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.000 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.070 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.140 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.210 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.280 | 5 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.350 | 6 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.385 | 6 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>Measured by 100 MHz Oscilloscope.</div> <div>Ripple Voltage is shown as p-p in the figure below.</div> <div>Note: Slanted line shows the range of the rated load current.</div> <div><div>Ripple [mVp-p]</div><div>Fig.Complex Ripple Wave Form</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Model | | SUW100515/SUCW100515 | | Temperature | | 25°C | |
| Item | | Ripple Voltage (by Load Current) | | Testing Circuitry | | Figure B | |
| Object | | -15V0.35A | | | | | |
| 1.Graph | | | | 2.Values | | | |
| <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> 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| Model | | SUW100515/SUCW100515 | | Temperature Testing Circuitry | 25°C Figure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Item | | Ripple-Noise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>4.5V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>9V</div></div></div> <div>Ripple-Noise [mV]</div> <div>Load Current [A]</div> | | | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple-Noise [mV]</th></tr><tr><th>Input Volt. 4.5 [V]</th><th>Input Volt. 9 [V]</th></tr><tr><td>0.000</td><td>3</td><td>4</td></tr><tr><td>0.070</td><td>5</td><td>5</td></tr><tr><td>0.140</td><td>6</td><td>6</td></tr><tr><td>0.210</td><td>6</td><td>7</td></tr><tr><td>0.280</td><td>6</td><td>8</td></tr><tr><td>0.350</td><td>7</td><td>8</td></tr><tr><td>0.385</td><td>7</td><td>8</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | Load Current [A] | Ripple-Noise [mV] | | Input Volt. 4.5 [V] | Input Volt. 9 [V] | 0.000 | 3 | 4 | 0.070 | 5 | 5 | 0.140 | 6 | 6 | 0.210 | 6 | 7 | 0.280 | 6 | 8 | 0.350 | 7 | 8 | 0.385 | 7 | 8 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Load Current [A] | Ripple-Noise [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5 [V] | Input Volt. 9 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.000 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.070 | 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.140 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.210 | 6 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.280 | 6 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.350 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.385 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>Measured by 100 MHz Oscilloscope.</div> <div>Ripple-Noise is shown as p-p in the figure below.</div> <div>Note: Slanted line shows the range of the rated load current.</div> <div><div><div>Ripple Noise[mVp-p]</div></div><div>Fig.Complex Ripple Noise Wave Form</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Model | SUW100515/SUCW100515 | | |
| Item | Ripple-Noise | Temperature | 25°C |
| Object | -15V0.35A | Testing Circuitry | Figure B |
| 1.Graph | | 2.Values | |
| <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> 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| Model | | SUW100515/SUCW100515 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Item | | Ripple Voltage (by Ambient Temp.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>Load 50%</div><div>Load 100%</div></div> <div><table><thead><tr><th>Ambient Temperature [°C]</th><th>Load 50% [mV]</th><th>Load 100% [mV]</th></tr></thead><tbody><tr><td>-60</td><td>6</td><td>10</td></tr><tr><td>-40</td><td>5</td><td>10</td></tr><tr><td>-20</td><td>5</td><td>8</td></tr><tr><td>0</td><td>4</td><td>7</td></tr><tr><td>25</td><td>4</td><td>5</td></tr><tr><td>55</td><td>2</td><td>4</td></tr><tr><td>60</td><td>3</td><td>4</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table></div> | | | | Ambient Temperature [°C] | Load 50% [mV] | Load 100% [mV] | -60 | 6 | 10 | -40 | 5 | 10 | -20 | 5 | 8 | 0 | 4 | 7 | 25 | 4 | 5 | 55 | 2 | 4 | 60 | 3 | 4 | -- | - | - | -- | - | - | -- | - | - | -- | - | - | | |
| Ambient Temperature [°C] | Load 50% [mV] | Load 100% [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 5 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 5 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 4 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Ambient Temperature [°C] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 5 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 5 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 4 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Object | | -15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1.Graph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Ambient Temperature [°C] | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 6 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Ambient Temperature [°C] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 6 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Model | | SUW100515/SUCW100515 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|--------------------|--|--|--------------------|------------------|------------------|-----|---------|---------|---------|-----|---------|---------|---------|-----|---------|---------|---------|---|---------|---------|---------|----|---------|---------|---------|----|---------|---------|---------|----|---------|---------|---------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | | Ambient Temperature Drift | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div>—△—</div>Input Volt. 4.5V</div> <div><div>---□---</div>Input Volt. 5V</div> <div><div>-·-○-·-</div>Input Volt. 9V</div> <p>Ambient Temperature [°C]</p> <p>Load 100%</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.Values | | <table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>-60</td><td>14.912</td><td>14.911</td><td>14.912</td></tr><tr><td>-40</td><td>14.914</td><td>14.913</td><td>14.914</td></tr><tr><td>-20</td><td>14.908</td><td>14.907</td><td>14.907</td></tr><tr><td>0</td><td>14.893</td><td>14.893</td><td>14.893</td></tr><tr><td>25</td><td>14.867</td><td>14.866</td><td>14.866</td></tr><tr><td>55</td><td>14.824</td><td>14.823</td><td>14.822</td></tr><tr><td>60</td><td>14.816</td><td>14.815</td><td>14.814</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> | | Ambient Temperature [°C] | Output Voltage [V] | | | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | -60 | 14.912 | 14.911 | 14.912 | -40 | 14.914 | 14.913 | 14.914 | -20 | 14.908 | 14.907 | 14.907 | 0 | 14.893 | 14.893 | 14.893 | 25 | 14.867 | 14.866 | 14.866 | 55 | 14.824 | 14.823 | 14.822 | 60 | 14.816 | 14.815 | 14.814 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Ambient Temperature [°C] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 14.912 | 14.911 | 14.912 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 14.914 | 14.913 | 14.914 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 14.908 | 14.907 | 14.907 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 14.893 | 14.893 | 14.893 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 14.867 | 14.866 | 14.866 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 14.824 | 14.823 | 14.822 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 14.816 | 14.815 | 14.814 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | -15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div>—△—</div>Input Volt. 4.5V</div> <div><div>---□---</div>Input Volt. 5V</div> <div><div>-·-○-·-</div>Input Volt. 9V</div> <p>Ambient Temperature [°C]</p> <p>Load 100%</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.Values | | <table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>-60</td><td>-14.907</td><td>-14.907</td><td>-14.907</td></tr><tr><td>-40</td><td>-14.909</td><td>-14.909</td><td>-14.909</td></tr><tr><td>-20</td><td>-14.903</td><td>-14.903</td><td>-14.902</td></tr><tr><td>0</td><td>-14.889</td><td>-14.888</td><td>-14.888</td></tr><tr><td>25</td><td>-14.862</td><td>-14.862</td><td>-14.861</td></tr><tr><td>55</td><td>-14.819</td><td>-14.819</td><td>-14.818</td></tr><tr><td>60</td><td>-14.811</td><td>-14.811</td><td>-14.810</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> | | Ambient Temperature [°C] | Output Voltage [V] | | | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | -60 | -14.907 | -14.907 | -14.907 | -40 | -14.909 | -14.909 | -14.909 | -20 | -14.903 | -14.903 | -14.902 | 0 | -14.889 | -14.888 | -14.888 | 25 | -14.862 | -14.862 | -14.861 | 55 | -14.819 | -14.819 | -14.818 | 60 | -14.811 | -14.811 | -14.810 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Ambient Temperature [°C] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | -14.907 | -14.907 | -14.907 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | -14.909 | -14.909 | -14.909 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | -14.903 | -14.903 | -14.902 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | -14.889 | -14.888 | -14.888 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | -14.862 | -14.862 | -14.861 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | -14.819 | -14.819 | -14.818 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | -14.811 | -14.811 | -14.810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated ambient temperature. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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BC-3797



| | | |
|-------|-------------------------|----------------------------|
| | | Testing Circuitry Figure A |
| Model | SUW100515/SUCW100515 | |
| Item | Output Voltage Accuracy | |

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 : -40 - 55°C

Input Voltage : 4.5 - 9V

Load Current (AVR 1) : 0 - 0.35A (AVR 2) : 0 - 0.35A

* Other Output : Rated Load

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

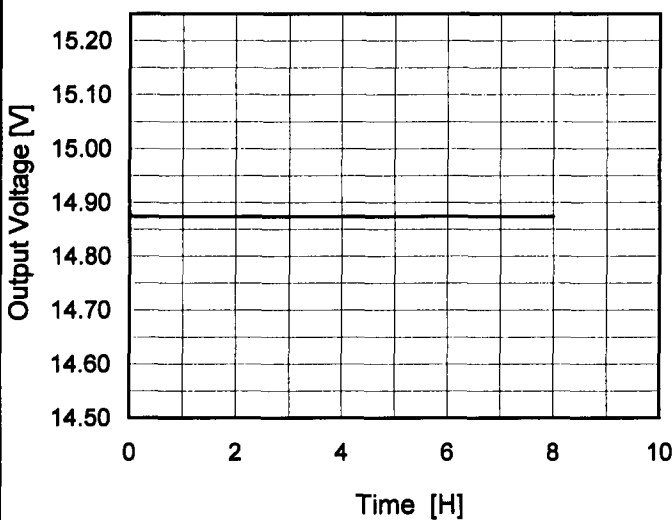
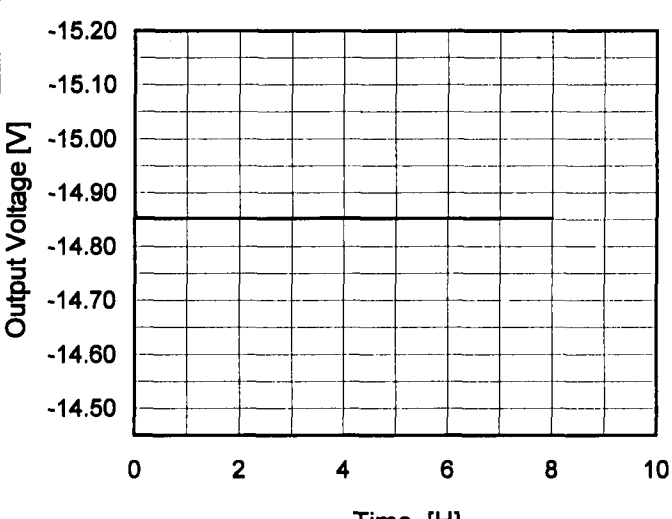
* Output Voltage Accuracy (Ratio) = $\frac{\text{Output Voltage Accuracy}}{\text{Rated Output Voltage}} \times 100$

2. Values

| Object | +15V0.35A | | | | | |
|-----------------|---------------------|---------------------|------------|------------|-------------------------|------------|
| Item | Temperature [°C] | Input Voltage[V] | Output | | Output Voltage Accuracy | |
| | | | Current[A] | Voltage[V] | Value [mV] | Ration [%] |
| Maximum Voltage | -20 | 9 | 0 | 15.258 | ±218 | ±1.5 |
| Minimum Voltage | 55 | 9 | 0.35 | 14.822 | | |

| Object | -15V0.35A | | | | | |
|-----------------|---------------------|---------------------|------------|------------|-------------------------|------------|
| Item | Temperature [°C] | Input Voltage[V] | Output | | Output Voltage Accuracy | |
| | | | Current[A] | Voltage[V] | Value [mV] | Ration [%] |
| Maximum Voltage | -20 | 9 | 0 | -15.216 | ±199 | ±1.3 |
| Minimum Voltage | 55 | 9 | 0.35 | -14.818 | | |

COSEL

| Model | SUW100515/SUCW100515 | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------|--------------------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Item | Time Lapse Drift | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | |
| Object | +15V0.35A | | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | |
| <div><p>Input Volt. 5V Load 100%</p></div> | | <table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>14.886</td></tr><tr><td>0.5</td><td>14.874</td></tr><tr><td>1.0</td><td>14.874</td></tr><tr><td>2.0</td><td>14.874</td></tr><tr><td>3.0</td><td>14.874</td></tr><tr><td>4.0</td><td>14.874</td></tr><tr><td>5.0</td><td>14.874</td></tr><tr><td>6.0</td><td>14.874</td></tr><tr><td>7.0</td><td>14.874</td></tr><tr><td>8.0</td><td>14.874</td></tr></table> | | Time since start [H] | Output Voltage [V] | 0.0 | 14.886 | 0.5 | 14.874 | 1.0 | 14.874 | 2.0 | 14.874 | 3.0 | 14.874 | 4.0 | 14.874 | 5.0 | 14.874 | 6.0 | 14.874 | 7.0 | 14.874 | 8.0 | 14.874 |
| Time since start [H] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 14.886 | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | 14.874 | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | -15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | |
| <div><p>Input Volt. 5V Load 100%</p></div> | | <table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>-14.865</td></tr><tr><td>0.5</td><td>-14.852</td></tr><tr><td>1.0</td><td>-14.853</td></tr><tr><td>2.0</td><td>-14.853</td></tr><tr><td>3.0</td><td>-14.852</td></tr><tr><td>4.0</td><td>-14.853</td></tr><tr><td>5.0</td><td>-14.853</td></tr><tr><td>6.0</td><td>-14.853</td></tr><tr><td>7.0</td><td>-14.852</td></tr><tr><td>8.0</td><td>-14.852</td></tr></table> | | Time since start [H] | Output Voltage [V] | 0.0 | -14.865 | 0.5 | -14.852 | 1.0 | -14.853 | 2.0 | -14.853 | 3.0 | -14.852 | 4.0 | -14.853 | 5.0 | -14.853 | 6.0 | -14.853 | 7.0 | -14.852 | 8.0 | -14.852 |
| Time since start [H] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | -14.865 | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | -14.852 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | -14.853 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | -14.853 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | -14.852 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | -14.853 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | -14.853 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | -14.853 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | -14.852 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | -14.852 | | | | | | | | | | | | | | | | | | | | | | | | |

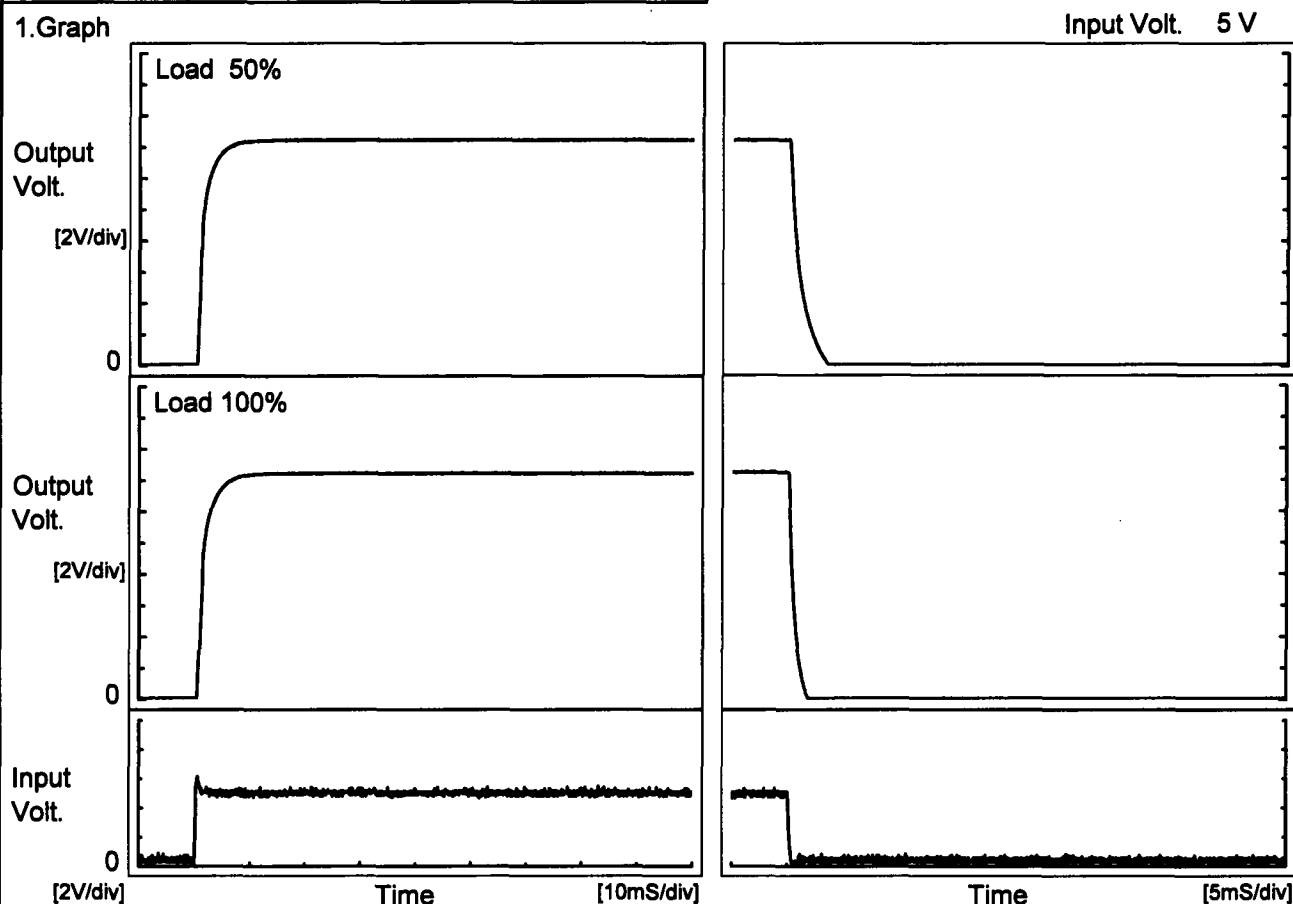
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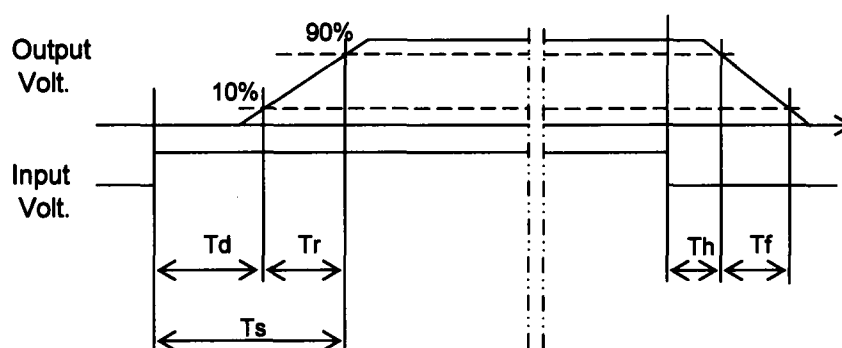
| | | | |
|--------|----------------------|-------------------|----------|
| Model | SUW100515/SUCW100515 | Temperature | 25°C |
| Item | Rise and Fall Time | Testing Circuitry | Figure A |
| Object | +15V0.35A | | |

1. Graph



2. Values

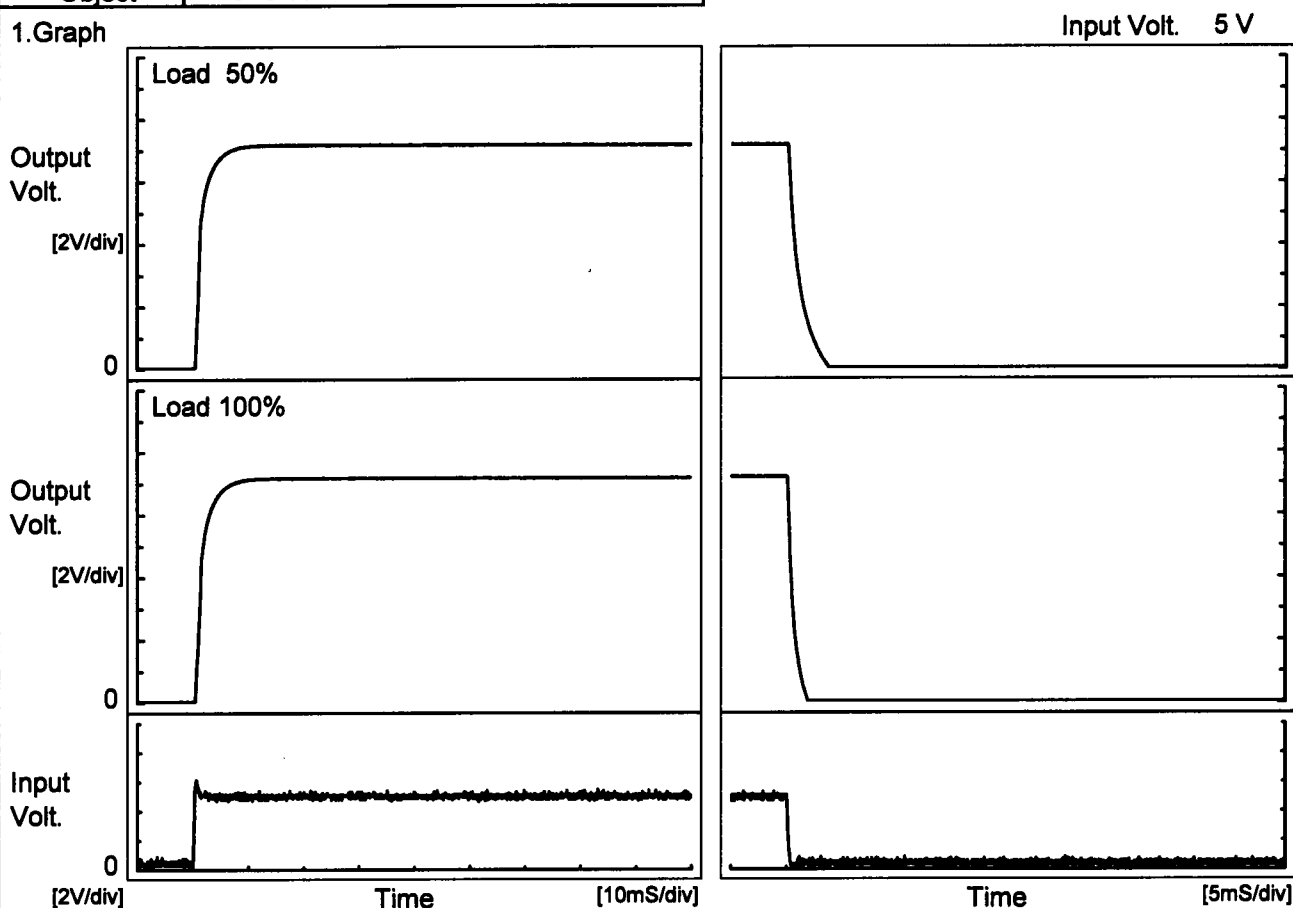
| | | [mS] | | | | |
|-------|------|------|-----|-----|-----|-----|
| Load | Time | Td | Tr | Ts | Th | Tf |
| 50 % | | 0.6 | 4.4 | 5.0 | 0.2 | 2.2 |
| 100 % | | 0.6 | 4.6 | 5.2 | 0.2 | 1.1 |



COSEL

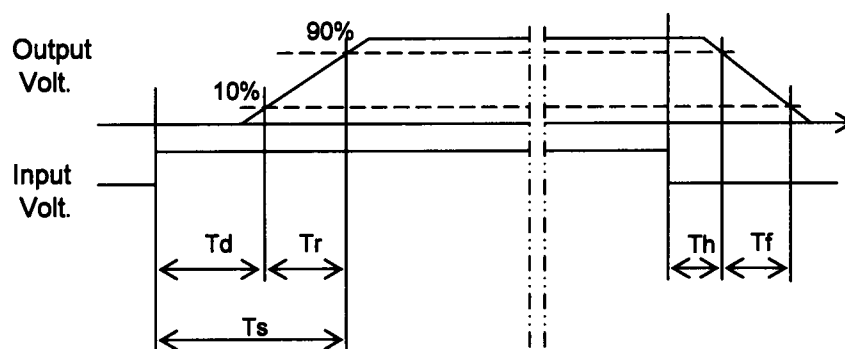
| | | | |
|--------|----------------------|-------------------|----------|
| Model | SUW100515/SUCW100515 | Temperature | 25°C |
| Item | Rise and Fall Time | Testing Circuitry | Figure A |
| Object | -15V0.35A | | |

1.Graph



2.Values

| | | [mS] | | | | |
|-------|------|------|-----|-----|-----|-----|
| Load | Time | Td | Tr | Ts | Th | Tf |
| 50 % | | 0.6 | 4.6 | 5.2 | 0.2 | 2.4 |
| 100 % | | 0.6 | 4.8 | 5.4 | 0.2 | 1.2 |

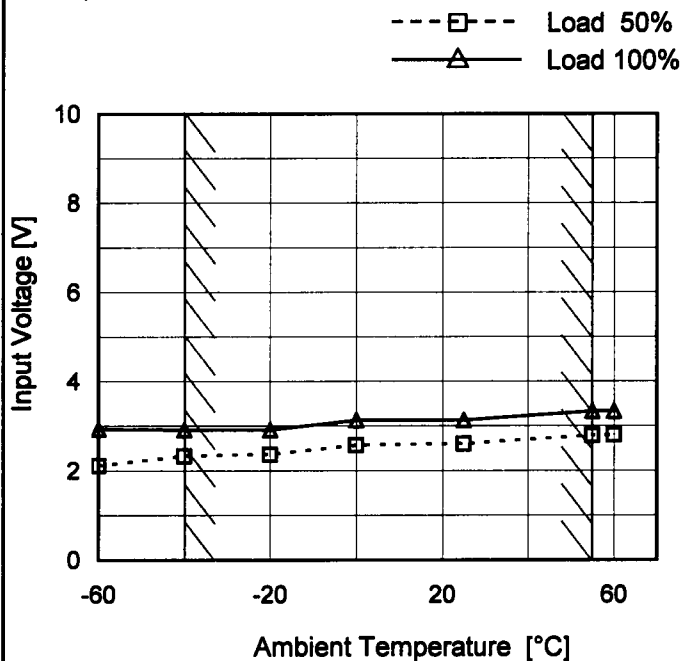


COSEL

Model SUW100515/SUCW100515
Item Minimum Input Voltage
for Regulated Output Voltage
Object +15V0.35A

Testing Circuitry Figure A

1. Graph

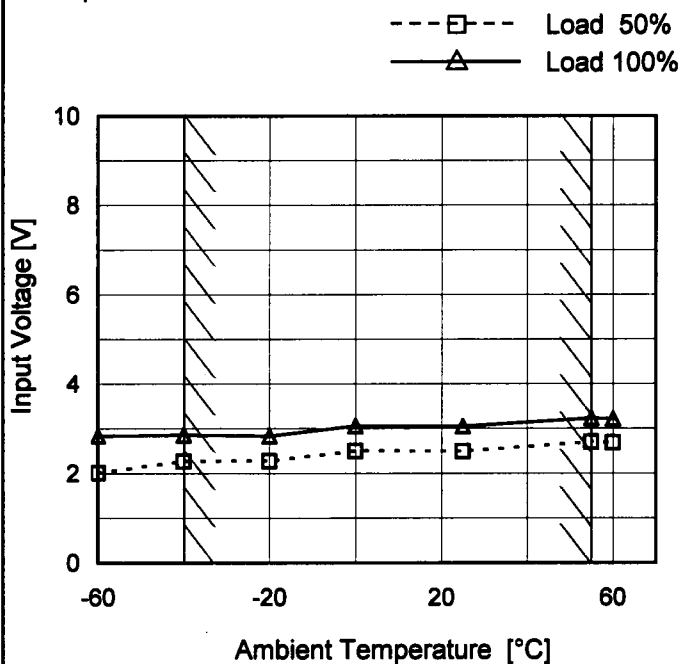


2. Values

| Ambient Temperature [°C] | Input Voltage [V] | |
|--------------------------|-------------------|-----------|
| | Load 50% | Load 100% |
| -60 | 2.2 | 3.0 |
| -40 | 2.4 | 3.0 |
| -20 | 2.4 | 3.0 |
| 0 | 2.6 | 3.2 |
| 25 | 2.6 | 3.2 |
| 55 | 2.8 | 3.4 |
| 60 | 2.8 | 3.4 |
| — | — | — |
| — | — | — |
| — | — | — |
| — | — | — |

Object -15V0.35A

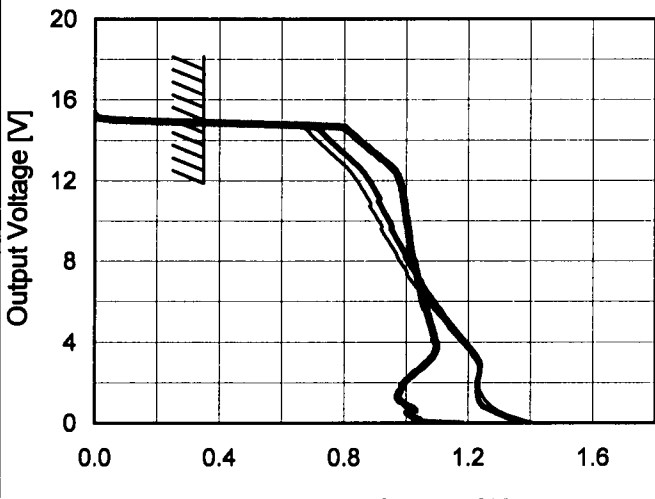
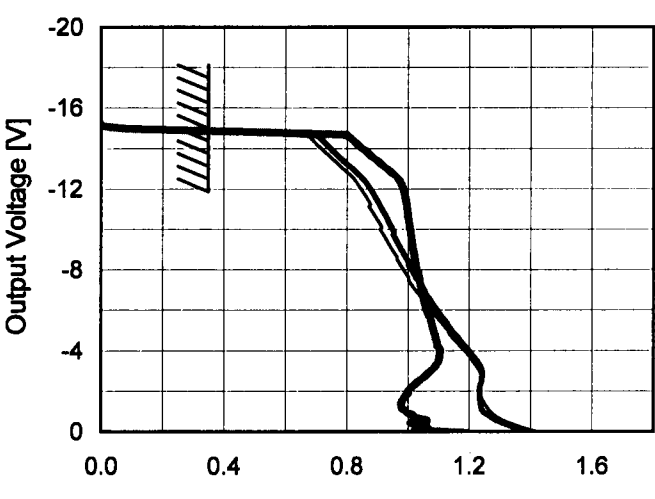
1. Graph



2. Values

| Ambient Temperature [°C] | Input Voltage [V] | |
|--------------------------|-------------------|-----------|
| | Load 50% | Load 100% |
| -60 | 2.1 | 2.9 |
| -40 | 2.3 | 2.9 |
| -20 | 2.3 | 2.9 |
| 0 | 2.5 | 3.1 |
| 25 | 2.5 | 3.1 |
| 55 | 2.7 | 3.3 |
| 60 | 2.7 | 3.3 |
| — | — | — |
| — | — | — |
| — | — | — |
| — | — | — |

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

| Model | | SUW100515/SUCW100515 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------|--|--|--------------------|------------------|------------------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|
| Item | | Overcurrent Protection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | +15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div><div></div>Input Volt. 4.5V</div><div><div></div>Input Volt. 5V</div><div><div></div>Input Volt. 9V</div></div>  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>15.0</td><td>0.47</td><td>0.47</td><td>0.45</td></tr><tr><td>14.3</td><td>0.70</td><td>0.74</td><td>0.83</td></tr><tr><td>13.5</td><td>0.75</td><td>0.79</td><td>0.89</td></tr><tr><td>12.0</td><td>0.84</td><td>0.88</td><td>0.98</td></tr><tr><td>10.5</td><td>0.89</td><td>0.93</td><td>1.00</td></tr><tr><td>9.0</td><td>0.94</td><td>0.97</td><td>1.01</td></tr><tr><td>7.5</td><td>1.00</td><td>1.03</td><td>1.03</td></tr><tr><td>6.0</td><td>1.07</td><td>1.09</td><td>1.05</td></tr><tr><td>4.5</td><td>1.15</td><td>1.17</td><td>1.09</td></tr><tr><td>3.0</td><td>1.23</td><td>1.24</td><td>1.07</td></tr><tr><td>1.5</td><td>1.24</td><td>1.23</td><td>0.98</td></tr><tr><td>0.0</td><td>1.41</td><td>1.40</td><td>1.18</td></tr></table> | | Output Voltage [V] | Load Current [A] | | | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | 15.0 | 0.47 | 0.47 | 0.45 | 14.3 | 0.70 | 0.74 | 0.83 | 13.5 | 0.75 | 0.79 | 0.89 | 12.0 | 0.84 | 0.88 | 0.98 | 10.5 | 0.89 | 0.93 | 1.00 | 9.0 | 0.94 | 0.97 | 1.01 | 7.5 | 1.00 | 1.03 | 1.03 | 6.0 | 1.07 | 1.09 | 1.05 | 4.5 | 1.15 | 1.17 | 1.09 | 3.0 | 1.23 | 1.24 | 1.07 | 1.5 | 1.24 | 1.23 | 0.98 | 0.0 | 1.41 | 1.40 | 1.18 |
| Output Voltage [V] | Load Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.0 | 0.47 | 0.47 | 0.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14.3 | 0.70 | 0.74 | 0.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13.5 | 0.75 | 0.79 | 0.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.0 | 0.84 | 0.88 | 0.98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.5 | 0.89 | 0.93 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0 | 0.94 | 0.97 | 1.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.5 | 1.00 | 1.03 | 1.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 1.07 | 1.09 | 1.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.5 | 1.15 | 1.17 | 1.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 1.23 | 1.24 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | 1.24 | 1.23 | 0.98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 1.41 | 1.40 | 1.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | -15V0.35A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div><div></div>Input Volt. 4.5V</div><div><div></div>Input Volt. 5V</div><div><div></div>Input Volt. 9V</div></div>  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 4.5[V]</th><th>Input Volt. 5[V]</th><th>Input Volt. 9[V]</th></tr><tr><td>-15.00</td><td>0.35</td><td>0.37</td><td>0.57</td></tr><tr><td>-14.25</td><td>0.70</td><td>0.73</td><td>0.83</td></tr><tr><td>-13.50</td><td>0.75</td><td>0.78</td><td>0.89</td></tr><tr><td>-12.00</td><td>0.85</td><td>0.88</td><td>0.98</td></tr><tr><td>-10.50</td><td>0.90</td><td>0.93</td><td>1.00</td></tr><tr><td>-9.00</td><td>0.95</td><td>0.98</td><td>1.02</td></tr><tr><td>-7.50</td><td>1.00</td><td>1.03</td><td>1.04</td></tr><tr><td>-6.00</td><td>1.08</td><td>1.09</td><td>1.06</td></tr><tr><td>-4.50</td><td>1.16</td><td>1.17</td><td>1.09</td></tr><tr><td>-3.00</td><td>1.23</td><td>1.24</td><td>1.07</td></tr><tr><td>-1.50</td><td>1.25</td><td>1.24</td><td>0.98</td></tr><tr><td>0.00</td><td>1.43</td><td>1.42</td><td>1.20</td></tr></table> | | Output Voltage [V] | Load Current [A] | | | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | -15.00 | 0.35 | 0.37 | 0.57 | -14.25 | 0.70 | 0.73 | 0.83 | -13.50 | 0.75 | 0.78 | 0.89 | -12.00 | 0.85 | 0.88 | 0.98 | -10.50 | 0.90 | 0.93 | 1.00 | -9.00 | 0.95 | 0.98 | 1.02 | -7.50 | 1.00 | 1.03 | 1.04 | -6.00 | 1.08 | 1.09 | 1.06 | -4.50 | 1.16 | 1.17 | 1.09 | -3.00 | 1.23 | 1.24 | 1.07 | -1.50 | 1.25 | 1.24 | 0.98 | 0.00 | 1.43 | 1.42 | 1.20 |
| Output Voltage [V] | Load Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 4.5[V] | Input Volt. 5[V] | Input Volt. 9[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -15.00 | 0.35 | 0.37 | 0.57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -14.25 | 0.70 | 0.73 | 0.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -13.50 | 0.75 | 0.78 | 0.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -12.00 | 0.85 | 0.88 | 0.98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10.50 | 0.90 | 0.93 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -9.00 | 0.95 | 0.98 | 1.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -7.50 | 1.00 | 1.03 | 1.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -6.00 | 1.08 | 1.09 | 1.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4.50 | 1.16 | 1.17 | 1.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3.00 | 1.23 | 1.24 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1.50 | 1.25 | 1.24 | 0.98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 1.43 | 1.42 | 1.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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BC-3797

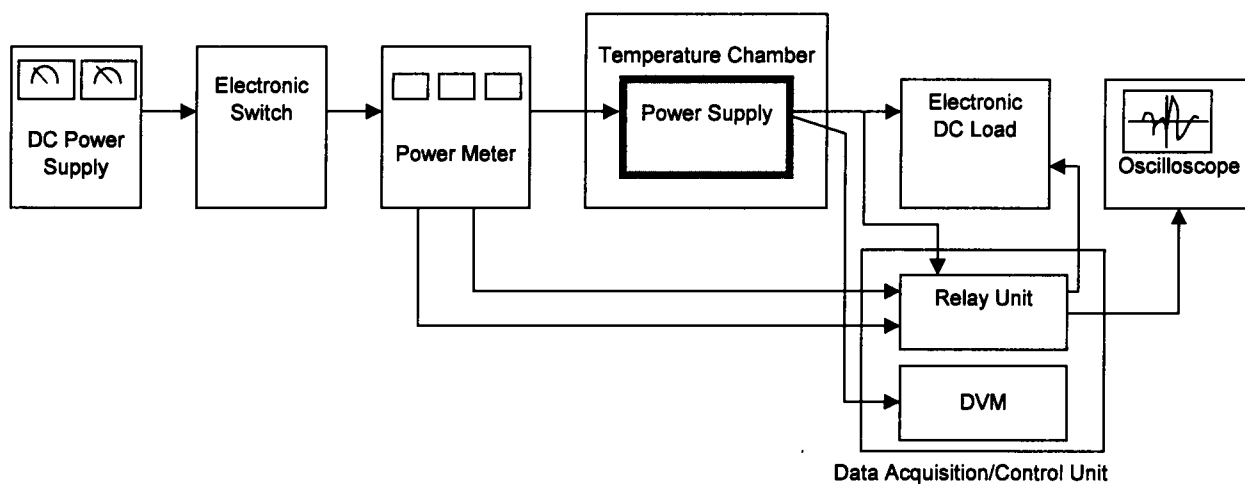


Figure A

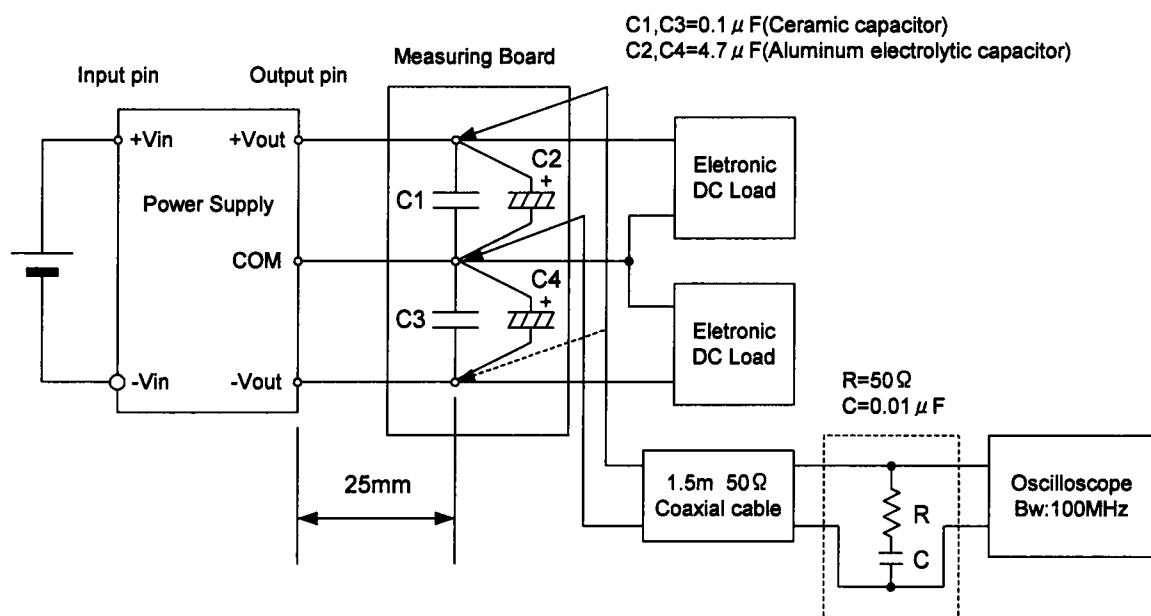


Figure B(Ripple and Ripple noise Characteristic)