

TEST DATA OF G2-5

Regulated DC Power Supply
July 23, 2010

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COSEL CO.,LTD.

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| Model | G2-5 | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|---|--------------------|------------------|-------------------|--|--|-------------------|--------------------|--------------------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | Input Current (by Load Current) | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>—△— Input Volt. 90V - -□--- Input Volt. 100V - -○--- Input Volt. 110V</p> | | <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="3">Input Current [A]</th> </tr> <tr> <th>Input Volt. 90[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 110[V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>0.017</td><td>0.017</td><td>0.017</td></tr> <tr><td>0.4</td><td>0.082</td><td>0.083</td><td>0.085</td></tr> <tr><td>0.8</td><td>0.136</td><td>0.139</td><td>0.142</td></tr> <tr><td>1.2</td><td>0.187</td><td>0.190</td><td>0.193</td></tr> <tr><td>1.6</td><td>0.234</td><td>0.238</td><td>0.243</td></tr> <tr><td>2.0</td><td>0.279</td><td>0.285</td><td>0.290</td></tr> <tr><td>2.2</td><td>0.302</td><td>0.307</td><td>0.313</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> | | Load Current [A] | Input Current [A] | | | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] | 0.0 | 0.017 | 0.017 | 0.017 | 0.4 | 0.082 | 0.083 | 0.085 | 0.8 | 0.136 | 0.139 | 0.142 | 1.2 | 0.187 | 0.190 | 0.193 | 1.6 | 0.234 | 0.238 | 0.243 | 2.0 | 0.279 | 0.285 | 0.290 | 2.2 | 0.302 | 0.307 | 0.313 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Input Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 0.017 | 0.017 | 0.017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.4 | 0.082 | 0.083 | 0.085 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.8 | 0.136 | 0.139 | 0.142 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 0.187 | 0.190 | 0.193 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | 0.234 | 0.238 | 0.243 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | 0.279 | 0.285 | 0.290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 | 0.302 | 0.307 | 0.313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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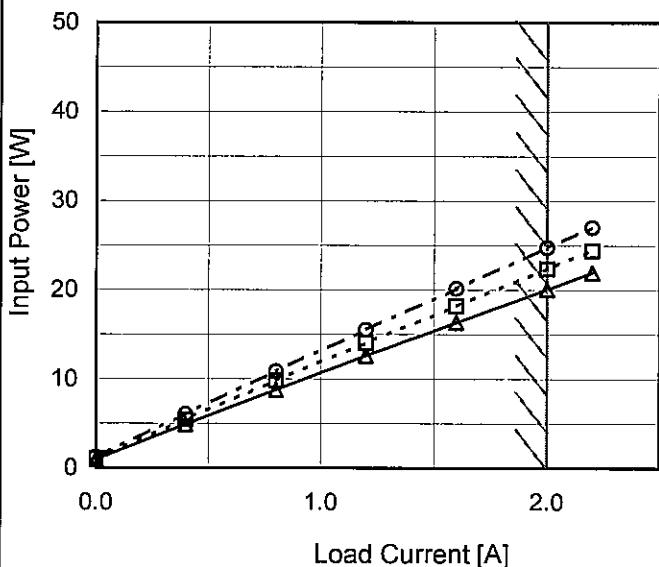
Model G2-5

Item Input Power (by Load Current)

Object _____

1. Graph

—△— Input Volt. 90V
 - -□--- Input Volt. 100V
 - -○--- Input Volt. 110V



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

 Temperature 25°C
 Testing Circuitry Figure A

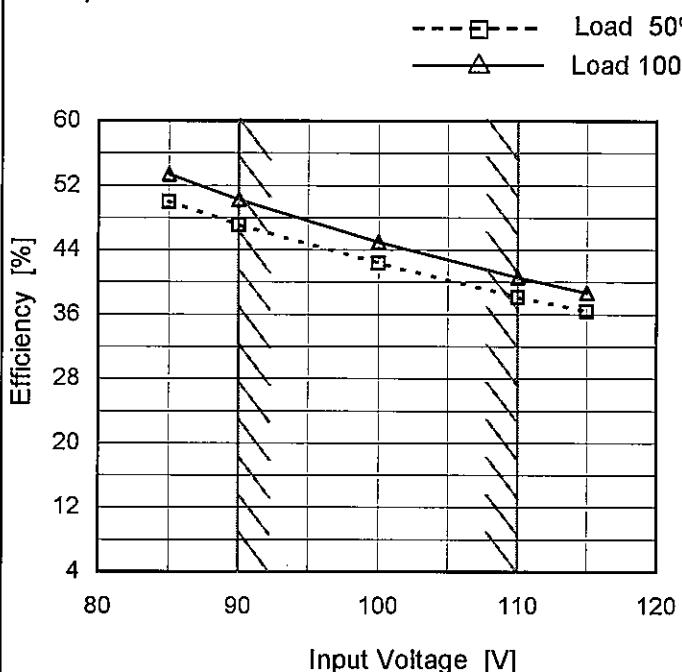
2. Values

| Load Current [A] | Input Power [W] | | |
|------------------|-------------------|--------------------|--------------------|
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] |
| 0.0 | 0.92 | 1.04 | 1.18 |
| 0.4 | 4.87 | 5.43 | 6.04 |
| 0.8 | 8.75 | 9.79 | 10.83 |
| 1.2 | 12.60 | 14.05 | 15.50 |
| 1.6 | 16.35 | 18.22 | 20.14 |
| 2.0 | 20.06 | 22.38 | 24.76 |
| 2.2 | 21.93 | 24.41 | 27.02 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

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| | |
|--------|-------------------------------|
| Model | G2-5 |
| Item | Efficiency (by Input Voltage) |
| Object | — |

1. Graph



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

Temperature 25°C
Testing Circuitry Figure A

2. Values

| Input Voltage [V] | Efficiency [%] | |
|-------------------|----------------|-----------|
| | Load 50% | Load 100% |
| 85 | 50.0 | 53.4 |
| 90 | 47.2 | 50.2 |
| 100 | 42.3 | 45.0 |
| 110 | 38.1 | 40.6 |
| 115 | 36.3 | 38.7 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

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| | |
|--------|------------------------------|
| Model | G2-5 |
| Item | Efficiency (by Load Current) |
| Object | |

1. Graph

| Load Current [A] | Input Volt. 90V | Input Volt. 100V | Input Volt. 110V |
|------------------|-----------------|------------------|------------------|
| 0.0 | - | - | - |
| 0.4 | 41.2 | 37.0 | 33.2 |
| 0.8 | 45.9 | 41.1 | 37.1 |
| 1.2 | 47.9 | 42.9 | 38.9 |
| 1.6 | 49.2 | 44.1 | 39.9 |
| 2.0 | 50.1 | 44.9 | 40.6 |
| 2.2 | 50.4 | 45.3 | 40.9 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

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

 Temperature 25°C
 Testing Circuitry Figure A

2. Values

| Load Current [A] | Efficiency [%] | | |
|------------------|-------------------|--------------------|--------------------|
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] |
| 0.0 | - | - | - |
| 0.4 | 41.2 | 37.0 | 33.2 |
| 0.8 | 45.9 | 41.1 | 37.1 |
| 1.2 | 47.9 | 42.9 | 38.9 |
| 1.6 | 49.2 | 44.1 | 39.9 |
| 2.0 | 50.1 | 44.9 | 40.6 |
| 2.2 | 50.4 | 45.3 | 40.9 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

| Model | G2-5 | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|--|----------|-------------------|--------------|--|----------|-----------|----|-------|-------|----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|----|---|---|----|---|---|----|---|---|----|---|---|
| Item | Power Factor (by Input Voltage) | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Graph | | 2. Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Graph showing Power Factor vs Input Voltage for G2-5 at 25°C. The Y-axis is Power Factor (0.4 to 1.0) and the X-axis is Input Voltage [V] (80 to 120). Two curves are shown: Load 50% (dashed line with squares) and Load 100% (solid line with triangles). Both curves show a slight decrease in power factor as input voltage increases from 90V to 110V. A slanted line indicates the rated input voltage range.</p> | | <table border="1"> <thead> <tr> <th rowspan="2">Input Voltage [V]</th> <th colspan="2">Power Factor</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr> <td>85</td><td>0.741</td><td>0.805</td></tr> <tr> <td>90</td><td>0.735</td><td>0.799</td></tr> <tr> <td>100</td><td>0.723</td><td>0.788</td></tr> <tr> <td>110</td><td>0.714</td><td>0.778</td></tr> <tr> <td>115</td><td>0.710</td><td>0.774</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> | | Input Voltage [V] | Power Factor | | Load 50% | Load 100% | 85 | 0.741 | 0.805 | 90 | 0.735 | 0.799 | 100 | 0.723 | 0.788 | 110 | 0.714 | 0.778 | 115 | 0.710 | 0.774 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Input Voltage [V] | Power Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 0.741 | 0.805 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 0.735 | 0.799 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 0.723 | 0.788 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | 0.714 | 0.778 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 115 | 0.710 | 0.774 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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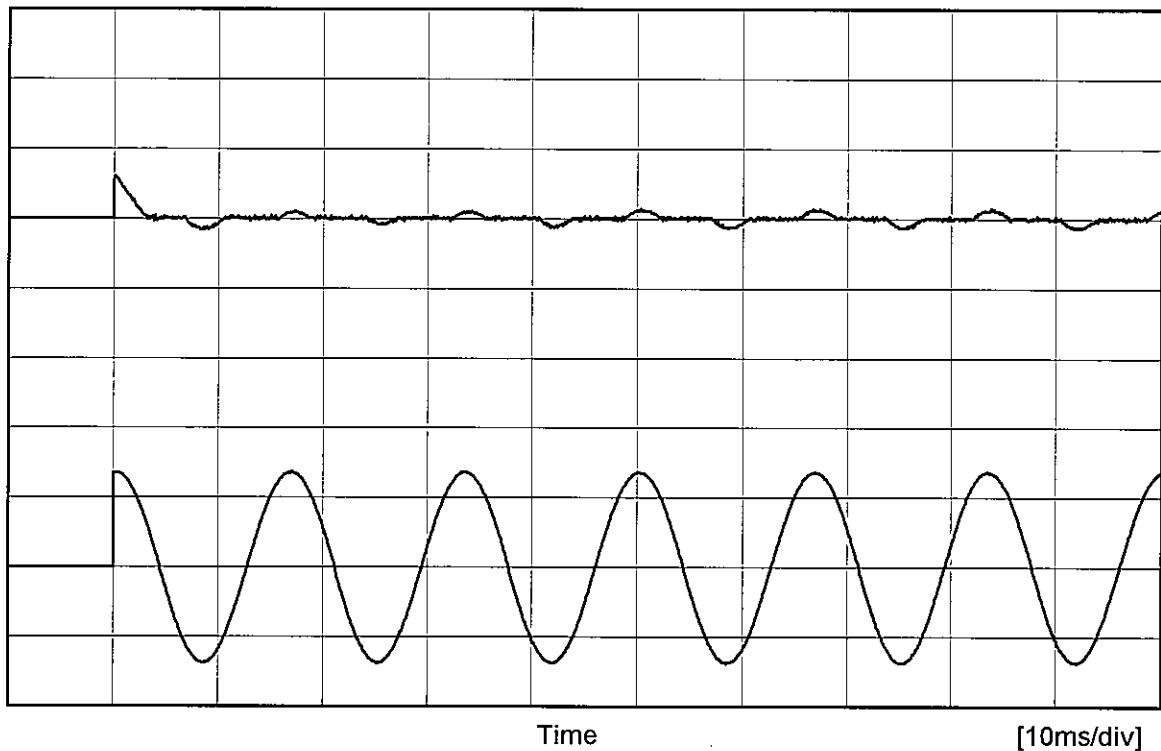
| Model | G2-5 | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--|--|--------------------|------------------|-------------------|--------------------|--------------------|-----|---|---|---|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | Power Factor (by Load Current) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | <p>Legend: Input Volt. 90V (solid line with triangle), Input Volt. 100V (dashed line with square), Input Volt. 110V (dash-dot line with circle).</p> <table border="1"> <thead> <tr> <th>Load Current [A]</th> <th>Input Volt. 90[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 110[V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>0.4</td><td>0.663</td><td>0.653</td><td>0.645</td></tr> <tr><td>0.8</td><td>0.714</td><td>0.703</td><td>0.695</td></tr> <tr><td>1.2</td><td>0.750</td><td>0.739</td><td>0.729</td></tr> <tr><td>1.6</td><td>0.777</td><td>0.765</td><td>0.755</td></tr> <tr><td>2.0</td><td>0.799</td><td>0.787</td><td>0.777</td></tr> <tr><td>2.2</td><td>0.808</td><td>0.796</td><td>0.787</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>--</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> | | | Load Current [A] | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] | 0.0 | - | - | - | 0.4 | 0.663 | 0.653 | 0.645 | 0.8 | 0.714 | 0.703 | 0.695 | 1.2 | 0.750 | 0.739 | 0.729 | 1.6 | 0.777 | 0.765 | 0.755 | 2.0 | 0.799 | 0.787 | 0.777 | 2.2 | 0.808 | 0.796 | 0.787 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.4 | 0.663 | 0.653 | 0.645 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.8 | 0.714 | 0.703 | 0.695 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 0.750 | 0.739 | 0.729 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | 0.777 | 0.765 | 0.755 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | 0.799 | 0.787 | 0.777 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 | 0.808 | 0.796 | 0.787 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: | Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Model G2-5

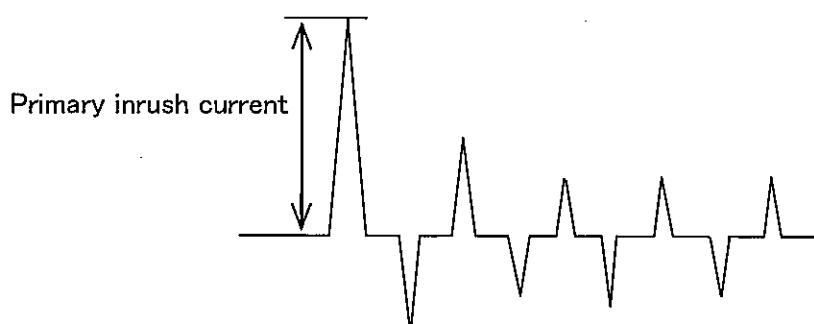
Item Inrush Current

Object _____

Temperature 25°C
Testing Circuitry Figure AInput
Current
[5A/div]

| | |
|---------------|-------|
| Input Voltage | 100 V |
| Frequency | 60 Hz |
| Load | 100 % |

Primary inrush current 3.0 A

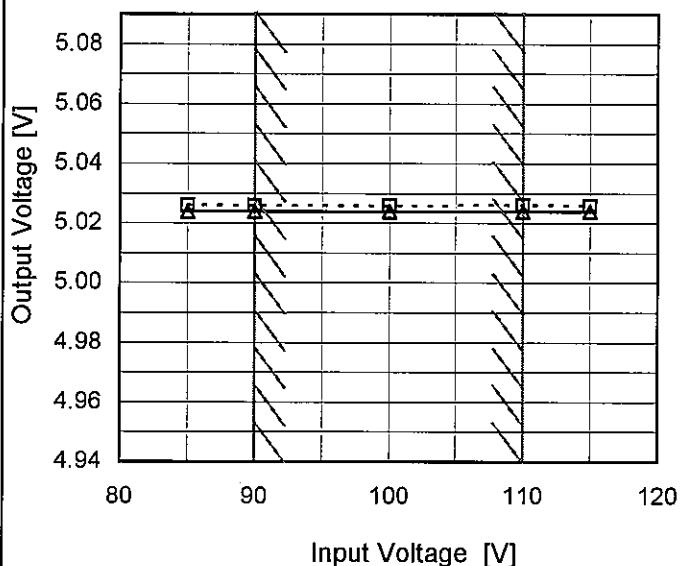


| | |
|--------|-----------------|
| Model | G2-5 |
| Item | Line Regulation |
| Object | +5V2A |

Temperature 25°C
Testing Circuitry Figure A

1. Graph

---□--- Load 50%
—△— Load 100%



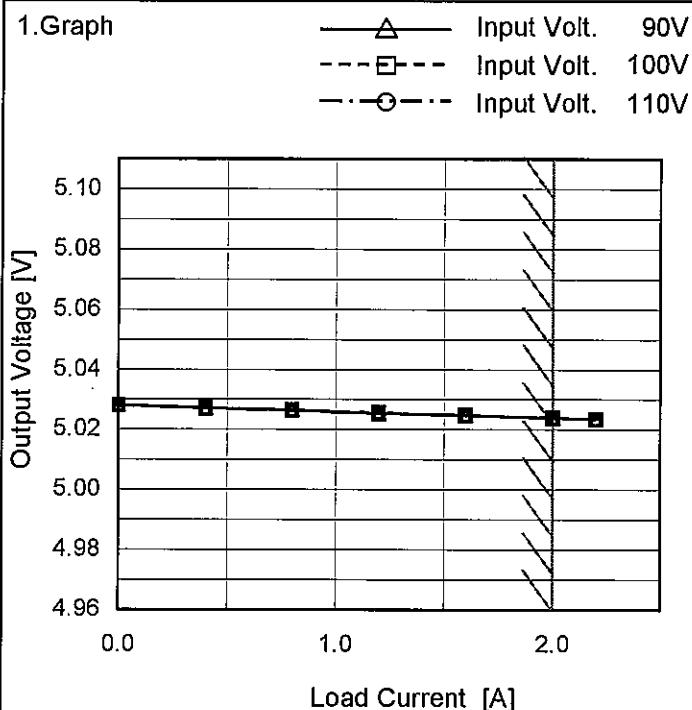
2. Values

| Input Voltage [V] | Output Voltage [V] | |
|-------------------|--------------------|-----------|
| | Load 50% | Load 100% |
| 85 | 5.026 | 5.024 |
| 90 | 5.026 | 5.024 |
| 100 | 5.026 | 5.024 |
| 110 | 5.026 | 5.024 |
| 115 | 5.026 | 5.024 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

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

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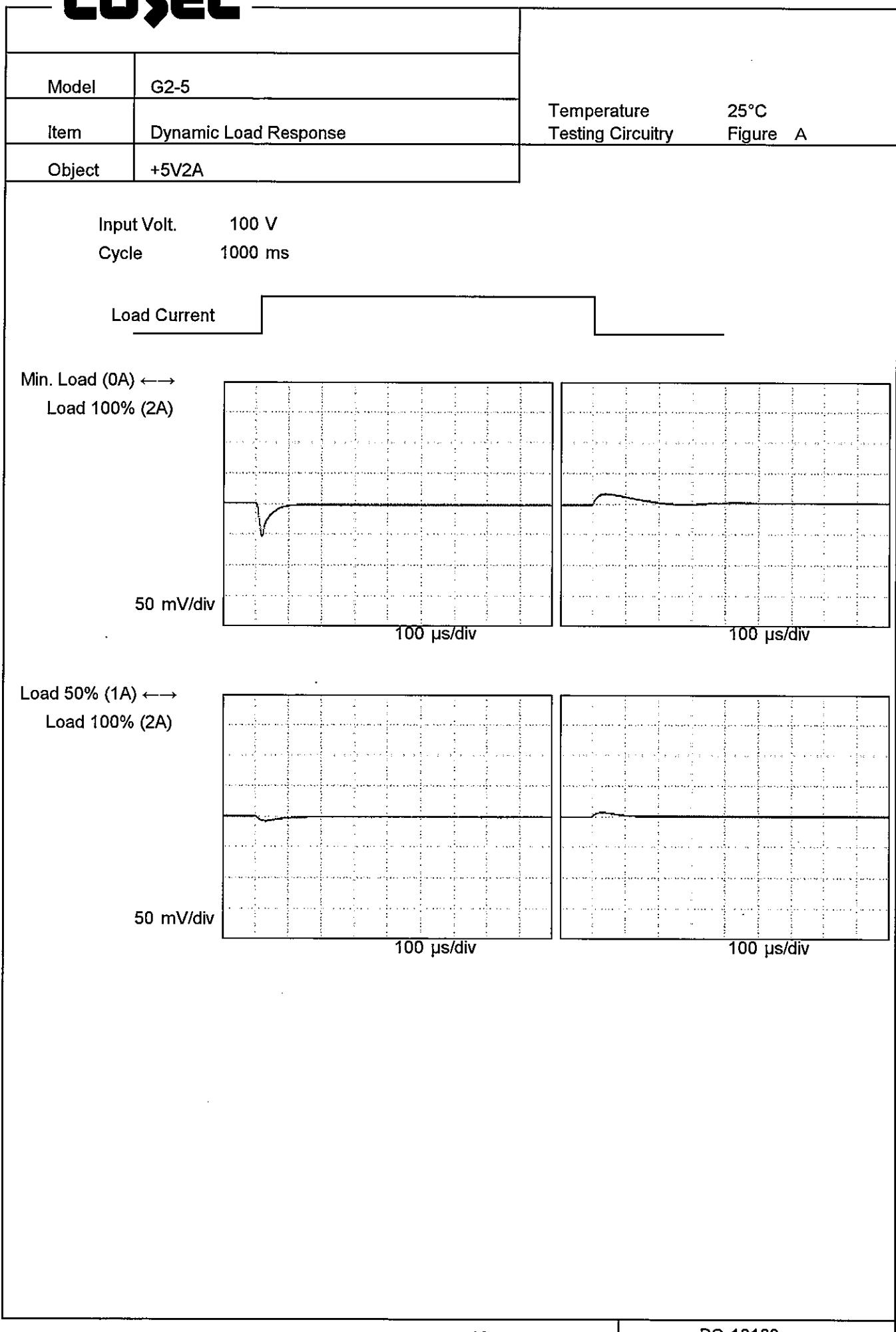
| | |
|--------|-----------------|
| Model | G2-5 |
| Item | Load Regulation |
| Object | +5V2A |


 Temperature 25°C
 Testing Circuitry Figure A

2. Values

| Load Current [A] | Output Voltage [V] | | |
|------------------|--------------------|--------------------|--------------------|
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] |
| 0.0 | 5.028 | 5.028 | 5.028 |
| 0.4 | 5.027 | 5.027 | 5.027 |
| 0.8 | 5.026 | 5.026 | 5.026 |
| 1.2 | 5.026 | 5.026 | 5.026 |
| 1.6 | 5.025 | 5.025 | 5.025 |
| 2.0 | 5.024 | 5.024 | 5.024 |
| 2.2 | 5.024 | 5.024 | 5.024 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

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

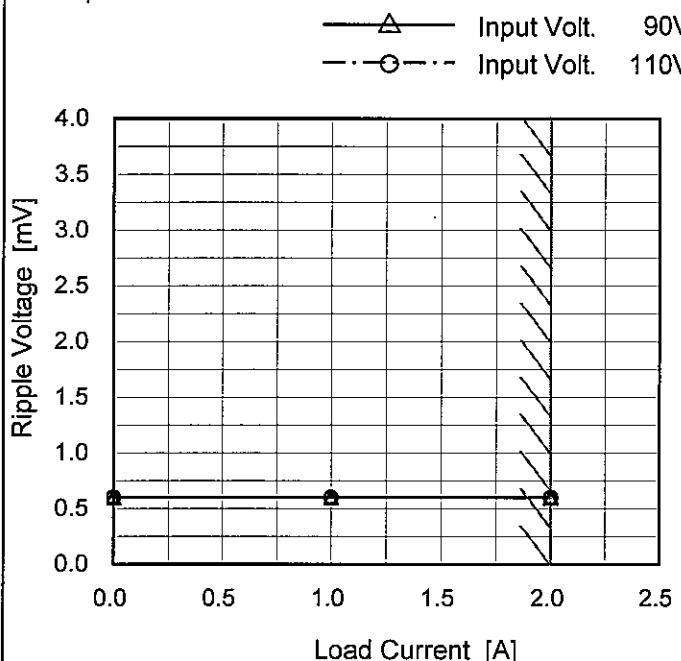
COSEL

COSEL

| | |
|--------|----------------------------------|
| Model | G2-5 |
| Item | Ripple Voltage (by Load Current) |
| Object | +5V2A |

 Temperature 25°C
 Testing Circuitry Figure A

1. Graph



2. Values

| Load Current [A] | Ripple Voltage [mV] | |
|------------------|---------------------|---------------------|
| | Input Volt. 90 [V] | Input Volt. 110 [V] |
| 0.0 | 0.6 | 0.6 |
| 1.0 | 0.6 | 0.6 |
| 2.0 | 0.6 | 0.6 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

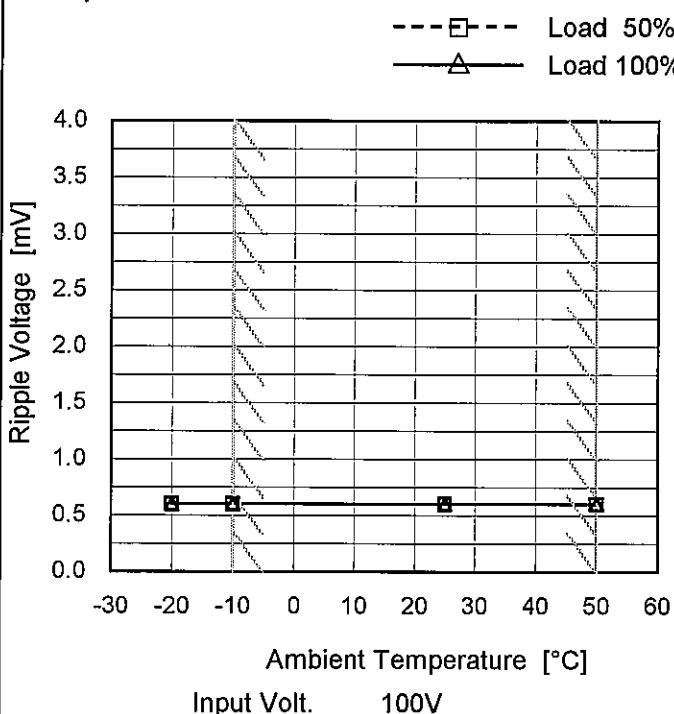
Measured by 20 MHz Oscilloscope.

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

COSEL

| | |
|--------|-----------------------------------|
| Model | G2-5 |
| Item | Ripple Voltage (by Ambient Temp.) |
| Object | +5V2A |

1. Graph



Measured by 20 MHz Oscilloscope.

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

Testing Circuitry Figure A

2. Values

| Ambient Temperature [°C] | Ripple Voltage [mV] | |
|-----------------------------|---------------------|-----------|
| | Load 50% | Load 100% |
| -20 | 0.6 | 0.6 |
| -10 | 0.6 | 0.6 |
| 25 | 0.6 | 0.6 |
| 50 | 0.6 | 0.6 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

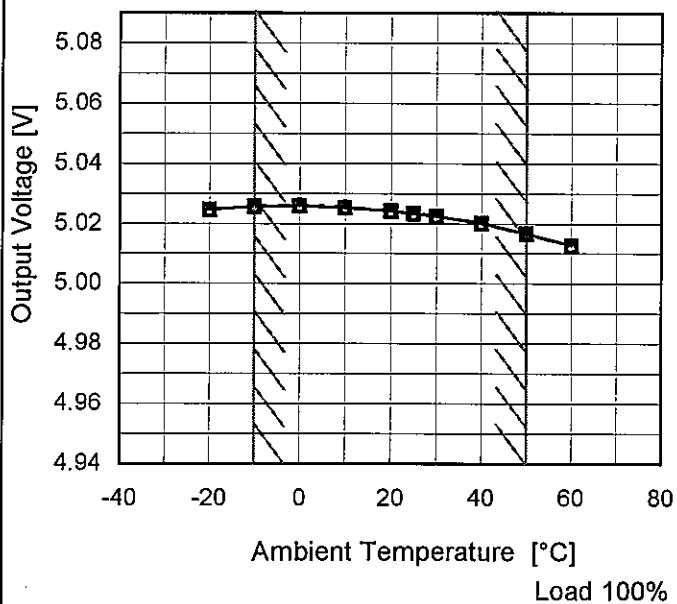
Model G2-5

Item Ambient Temperature Drift

Object +5V2A

1. Graph

—△— Input Volt. 90V
 - -□--- Input Volt. 100V
 - ·○--- Input Volt. 110V



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

Testing Circuitry Figure A

2. Values

| Ambient Temperature [°C] | Output Voltage [V] | | |
|--------------------------|--------------------|--------------------|--------------------|
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] |
| -20 | 5.025 | 5.025 | 5.025 |
| -10 | 5.026 | 5.026 | 5.026 |
| 0 | 5.026 | 5.026 | 5.026 |
| 10 | 5.025 | 5.025 | 5.025 |
| 20 | 5.024 | 5.024 | 5.024 |
| 25 | 5.023 | 5.023 | 5.023 |
| 30 | 5.023 | 5.022 | 5.023 |
| 40 | 5.020 | 5.020 | 5.020 |
| 50 | 5.017 | 5.017 | 5.017 |
| 60 | 5.013 | 5.013 | 5.013 |
| -- | - | - | - |



| | | |
|--------|-------------------------|----------------------------|
| Model | G2-5 | Testing Circuitry Figure A |
| Item | Output Voltage Accuracy | |
| Object | +5V2A | |

1. Output Voltage Accuracy

This is defined as the value of the output voltage, regulation load, ambient temperature and input voltage varied at random in the range as specified below.

Temperature : -10 ~ 50°C

Input Voltage : 90 ~ 110V

Load Current : 0 ~ 2A

* Output Voltage Accuracy = ±(Maximum of Output Voltage - Minimum of Output Voltage) / 2

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

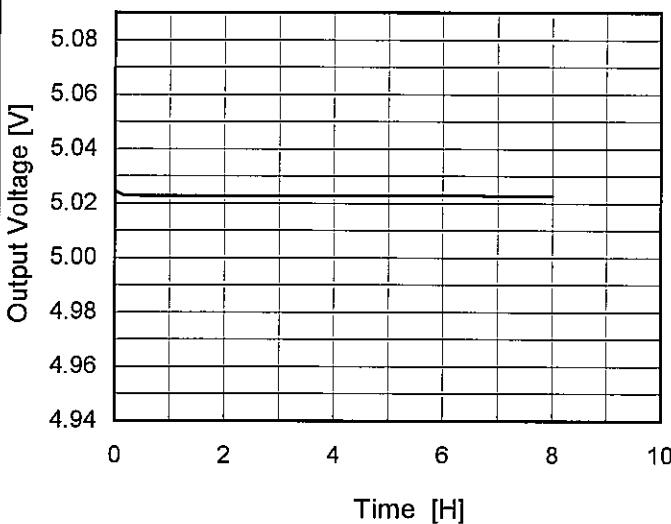
2. Values

| Item | Temperature [°C] | Input Voltage[V] | Output | | Output Voltage Accuracy | |
|-----------------|---------------------|---------------------|------------|------------|-------------------------|------------|
| | | | Current[A] | Voltage[V] | Value [mV] | Ration [%] |
| Maximum Voltage | 0 | 100 | 0 | 5.030 | ±7 | ±0.1 |
| Minimum Voltage | 50 | 90 | 2 | 5.017 | | |

COSEL

| | |
|--------|------------------|
| Model | G2-5 |
| Item | Time Lapse Drift |
| Object | +5V2A |

1.Graph



Input Volt. 100V
Load 100%

Temperature 25°C
Testing Circuitry Figure A

2.Values

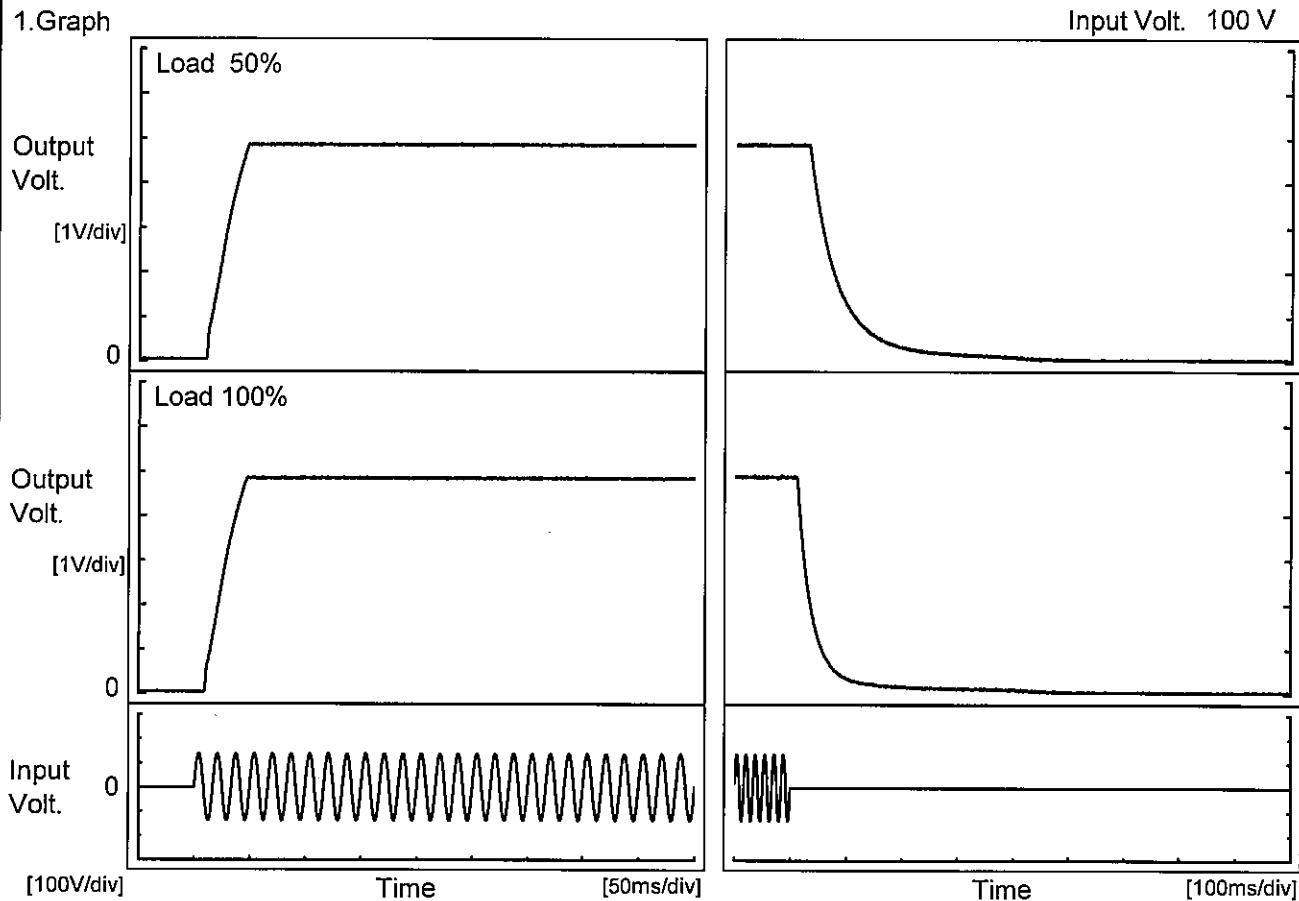
| Time since start [H] | Output Voltage [V] |
|----------------------|--------------------|
| 0.0 | 5.025 |
| 0.5 | 5.023 |
| 1.0 | 5.023 |
| 2.0 | 5.023 |
| 3.0 | 5.023 |
| 4.0 | 5.023 |
| 5.0 | 5.023 |
| 6.0 | 5.023 |
| 7.0 | 5.023 |
| 8.0 | 5.023 |

COSEL

| | |
|--------|--------------------|
| Model | G2-5 |
| Item | Rise and Fall Time |
| Object | +5V2A |

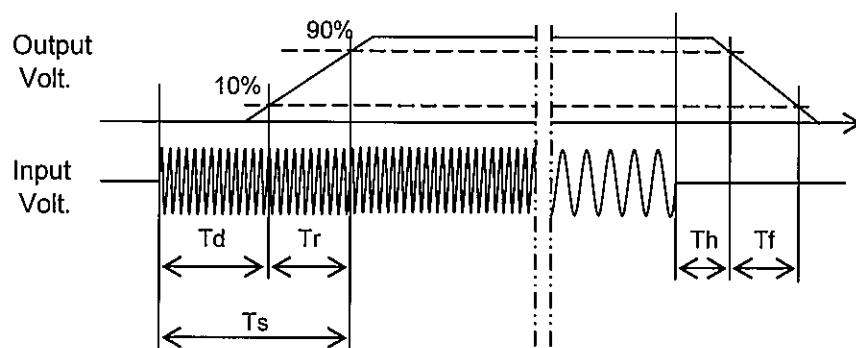
Temperature 25°C
Testing Circuitry Figure A

1. Graph



2. Values

| Load | Time | Td | Tr | Ts | Th | Tf | [ms] |
|-------|------|------|------|------|------|-------|------|
| 50 % | | 11.8 | 32.3 | 44.1 | 35.0 | 122.0 | |
| 100 % | | 10.5 | 32.5 | 43.0 | 13.5 | 65.5 | |



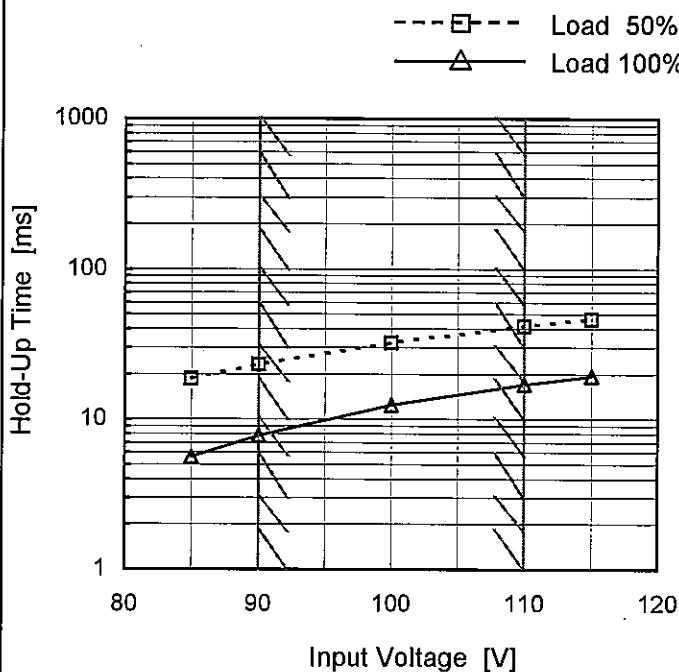
COSEL

Model G2-5

Item Hold-Up Time

Object +5V2A

1. Graph

Temperature 25°C
Testing Circuitry Figure A

2. Values

| Input Voltage [V] | Hold-Up Time [ms] | |
|-------------------|-------------------|-----------|
| | Load 50% | Load 100% |
| 85 | 19 | 6 |
| 90 | 23 | 8 |
| 100 | 32 | 12 |
| 110 | 42 | 17 |
| 115 | 46 | 19 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

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.

COSEL

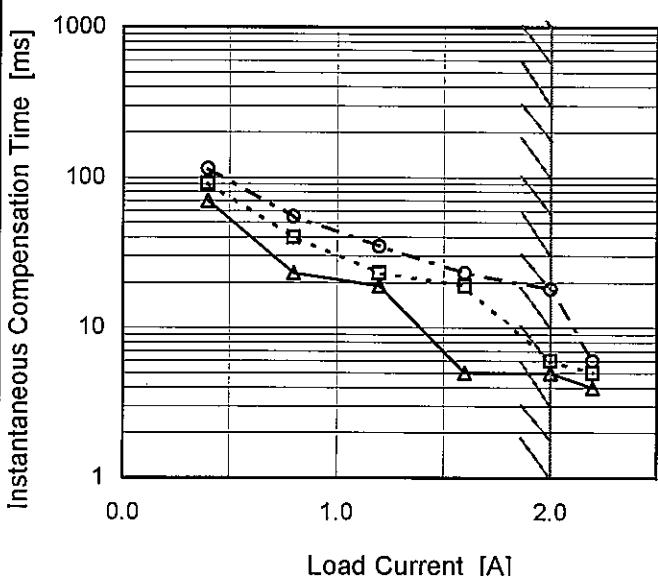
Model G2-5

Item Instantaneous Interruption Compensation

Object +5V2A

1. Graph

—△— Input Volt. 90V
 - - □ - - Input Volt. 100V
 - - ○ - - Input Volt. 110V



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

 Temperature 25°C
 Testing Circuitry Figure A

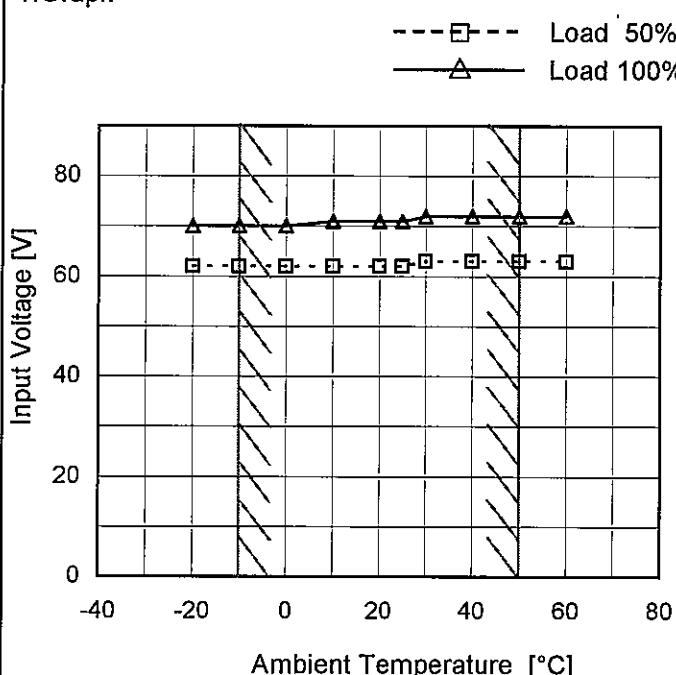
2. Values

| Load Current [A] | Time [ms] | | |
|------------------|-------------------|--------------------|--------------------|
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] |
| 0.0 | - | - | - |
| 0.4 | 70 | 91 | 114 |
| 0.8 | 23 | 40 | 55 |
| 1.2 | 19 | 23 | 35 |
| 1.6 | 5 | 19 | 23 |
| 2.0 | 5 | 6 | 18 |
| 2.2 | 4 | 5 | 6 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

| | |
|--------|---|
| Model | G2-5 |
| Item | Minimum Input Voltage for Regulated Output Voltage |
| Object | +5V2A |

Testing Circuitry Figure A

1. Graph



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

2. Values

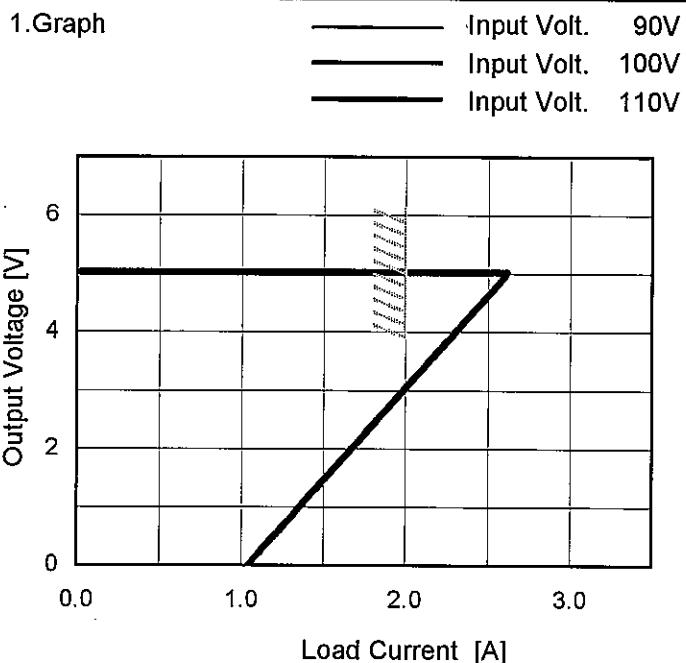
| Ambient Temperature [°C] | Input Voltage [V] | |
|-----------------------------|-------------------|-----------|
| | Load 50% | Load 100% |
| -20 | 62 | 70 |
| -10 | 62 | 70 |
| 0 | 62 | 70 |
| 10 | 62 | 71 |
| 20 | 62 | 71 |
| 25 | 62 | 71 |
| 30 | 63 | 72 |
| 40 | 63 | 72 |
| 50 | 63 | 72 |
| 60 | 63 | 72 |
| -- | - | - |

COSEL

Model G2-5

Item Overcurrent Protection

Object +5V2A



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

Temperature 25°C
Testing Circuitry Figure A

2. Values

| Output Voltage [V] | Load Current [A] | | |
|--------------------|-------------------|--------------------|--------------------|
| | Input Volt. 90[V] | Input Volt. 100[V] | Input Volt. 110[V] |
| 5.00 | 2.62 | 2.62 | 2.62 |
| 4.75 | 2.56 | 2.54 | 2.53 |
| 4.50 | 2.56 | 2.54 | 2.53 |
| 4.00 | 2.33 | 2.31 | 2.30 |
| 3.50 | 2.25 | 2.23 | 2.23 |
| 3.00 | 1.99 | 2.03 | 2.03 |
| 2.50 | 1.86 | 1.85 | 1.85 |
| 2.00 | 1.69 | 1.68 | 1.68 |
| 1.50 | 1.52 | 1.52 | 1.51 |
| 1.00 | 1.38 | 1.37 | 1.37 |
| 0.50 | 1.22 | 1.22 | 1.22 |
| 0.00 | 1.02 | 1.02 | 1.02 |

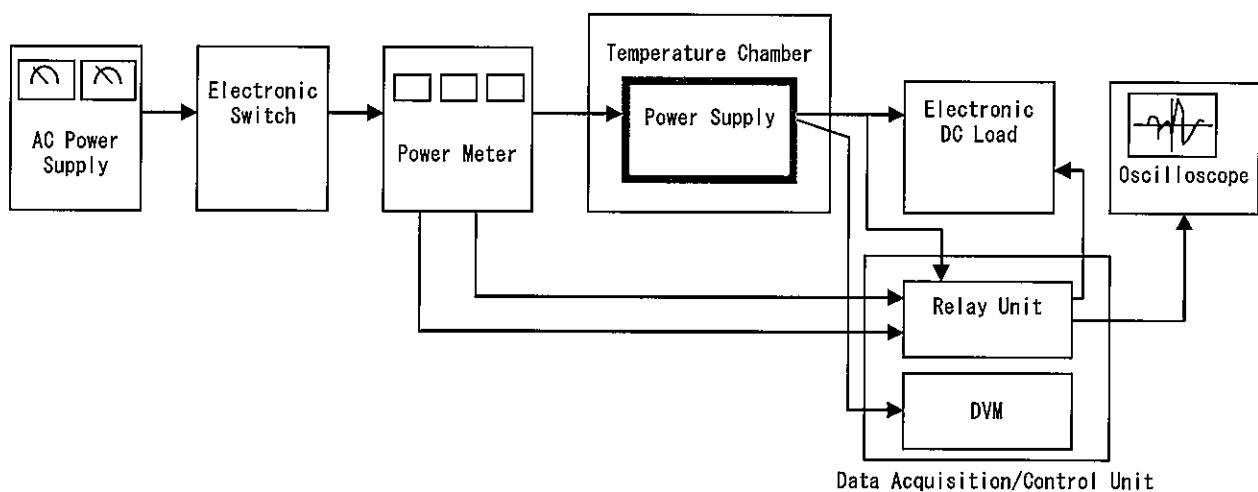


Figure A