



TEST DATA OF SUCS3243R3

Regulated DC Power Supply
Mar 23, 2005

Approved by : Tetsuo Sugimori
Tetsuo Sugimori Design Manager

Prepared by : Hayato Nakatsubo
Hayato Nakatsubo Design Engineer

COSEL CO.,LTD.

CONTENTS

| | |
|---|----|
| 1.Input Current (by Input Voltage) | 1 |
| 2.Input Current (by Load Current) | 2 |
| 3.Input Power (by Load Current) | 3 |
| 4.Efficiency (by Input Voltage) | 4 |
| 5.Efficiency (by Load Current) | 5 |
| 6.Line Regulation | 6 |
| 7.Load Regulation | 7 |
| 8.Dynamic Load Response | 8 |
| 9.Ripple Voltage (by Load Current) | 9 |
| 10.Ripple-Noise | 10 |
| 11.Ripple Voltage (by Ambient Temperature) | 11 |
| 12.Ambient Temperature Drift | 12 |
| 13.Output Voltage Accuracy | 13 |
| 14.Time Lapse Drift | 14 |
| 15.Rise and Fall Time | 15 |
| 16.Minimum Input Voltage for Regulated Output Voltage | 16 |
| 17.Overcurrent Protection | 17 |
| 18.Figure of Testing Circuitry | 18 |

(Final Page 18)

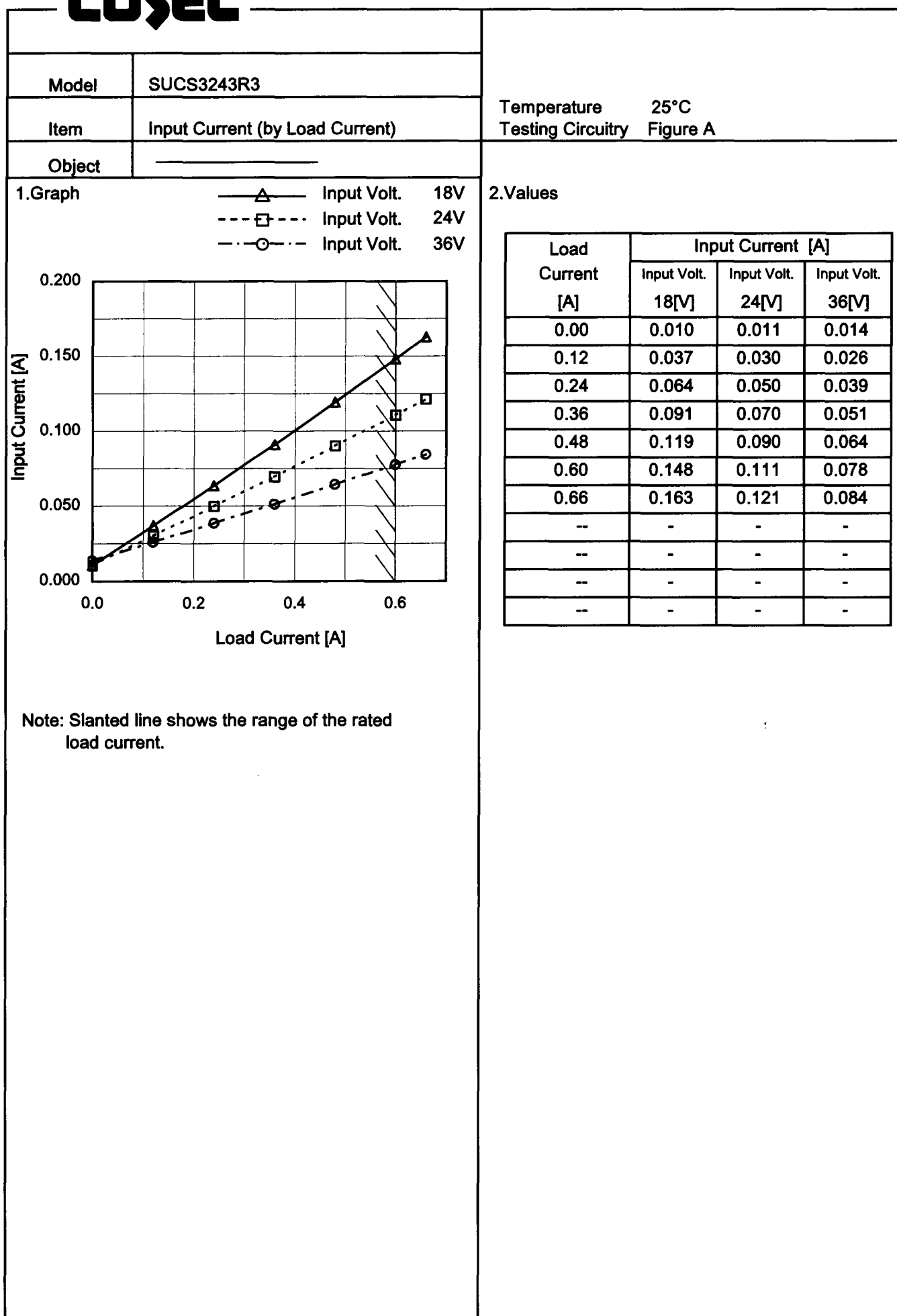
COSEL

| Model | | SUCS3243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|-------------------|---|-----------|-------------------|-------------------|--|--|---------|----------|-----------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|----|---|---|---|----|---|---|---|
| Item | | Input Current (by Input Voltage) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div><div>—△—</div><div>Load 100%</div></div><div><div>---□---</div><div>Load 50%</div></div><div><div>---○---</div><div>Load 0%</div></div></div> <p>Note: Slanted line shows the range of the rated input voltage.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.Values | | <table><tr><th rowspan="2">Input Voltage [V]</th><th colspan="3">Input Current [A]</th></tr><tr><th>Load 0%</th><th>Load 50%</th><th>Load 100%</th></tr><tr><td>0.0</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><td>4.0</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><td>8.0</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><td>9.2</td><td>0.013</td><td>0.152</td><td>0.005</td></tr><tr><td>9.6</td><td>0.013</td><td>0.146</td><td>0.302</td></tr><tr><td>12.0</td><td>0.012</td><td>0.114</td><td>0.228</td></tr><tr><td>16.0</td><td>0.011</td><td>0.086</td><td>0.166</td></tr><tr><td>18.0</td><td>0.010</td><td>0.078</td><td>0.150</td></tr><tr><td>20.0</td><td>0.010</td><td>0.070</td><td>0.132</td></tr><tr><td>24.0</td><td>0.011</td><td>0.060</td><td>0.111</td></tr><tr><td>28.0</td><td>0.011</td><td>0.053</td><td>0.096</td></tr><tr><td>32.0</td><td>0.012</td><td>0.048</td><td>0.085</td></tr><tr><td>36.0</td><td>0.014</td><td>0.045</td><td>0.077</td></tr><tr><td>40.0</td><td>0.015</td><td>0.043</td><td>0.071</td></tr><tr><td>42.4</td><td>0.015</td><td>0.042</td><td>0.069</td></tr><tr><td>44.0</td><td>0.015</td><td>0.041</td><td>0.067</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table> | | Input Voltage [V] | Input Current [A] | | | Load 0% | Load 50% | Load 100% | 0.0 | 0.000 | 0.000 | 0.000 | 4.0 | 0.000 | 0.000 | 0.000 | 8.0 | 0.000 | 0.000 | 0.000 | 9.2 | 0.013 | 0.152 | 0.005 | 9.6 | 0.013 | 0.146 | 0.302 | 12.0 | 0.012 | 0.114 | 0.228 | 16.0 | 0.011 | 0.086 | 0.166 | 18.0 | 0.010 | 0.078 | 0.150 | 20.0 | 0.010 | 0.070 | 0.132 | 24.0 | 0.011 | 0.060 | 0.111 | 28.0 | 0.011 | 0.053 | 0.096 | 32.0 | 0.012 | 0.048 | 0.085 | 36.0 | 0.014 | 0.045 | 0.077 | 40.0 | 0.015 | 0.043 | 0.071 | 42.4 | 0.015 | 0.042 | 0.069 | 44.0 | 0.015 | 0.041 | 0.067 | -- | - | - | - | -- | - | - | - |
| Input Voltage [V] | Input Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 0% | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.2 | 0.013 | 0.152 | 0.005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.6 | 0.013 | 0.146 | 0.302 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.0 | 0.012 | 0.114 | 0.228 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16.0 | 0.011 | 0.086 | 0.166 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18.0 | 0.010 | 0.078 | 0.150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.0 | 0.010 | 0.070 | 0.132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24.0 | 0.011 | 0.060 | 0.111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28.0 | 0.011 | 0.053 | 0.096 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32.0 | 0.012 | 0.048 | 0.085 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36.0 | 0.014 | 0.045 | 0.077 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40.0 | 0.015 | 0.043 | 0.071 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42.4 | 0.015 | 0.042 | 0.069 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.0 | 0.015 | 0.041 | 0.067 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

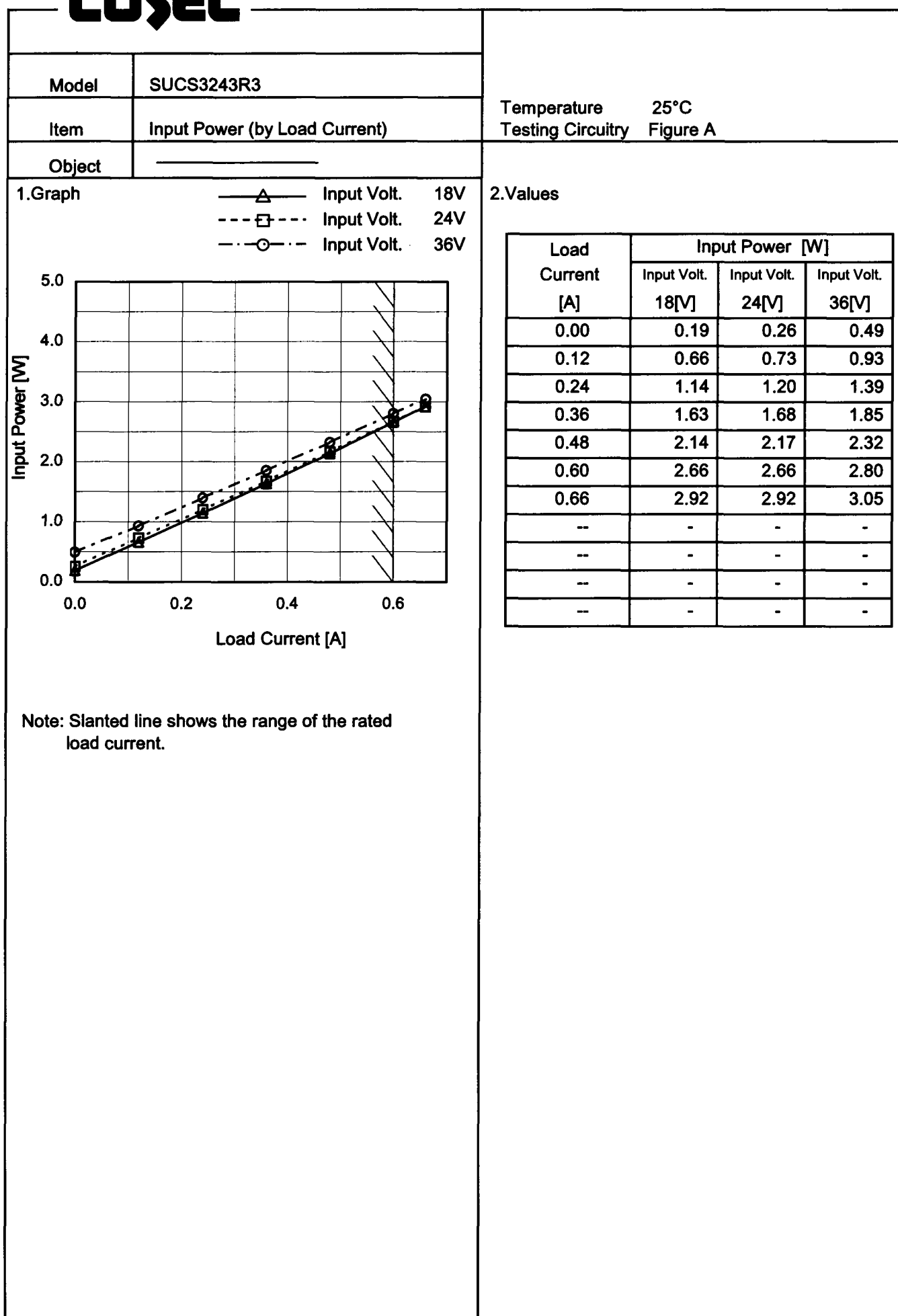
- 1 -

BC-3777

COSEL



COSEL



COSEL

| Model | SUCS3243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|-------------------|--------------|---------------|----|------|------|----|------|------|----|------|------|----|------|------|----|------|------|----|------|------|----|------|------|----|---|---|----|---|---|--|--|
| Item | Efficiency (by Input Voltage) | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Load 50% [%]</th><th>Load 100% [%]</th></tr></thead><tbody><tr><td>16</td><td>72.0</td><td>74.3</td></tr><tr><td>18</td><td>71.5</td><td>74.7</td></tr><tr><td>20</td><td>70.8</td><td>74.7</td></tr><tr><td>24</td><td>69.0</td><td>74.4</td></tr><tr><td>30</td><td>65.4</td><td>73.0</td></tr><tr><td>36</td><td>61.1</td><td>70.8</td></tr><tr><td>40</td><td>57.9</td><td>69.0</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table> | | Input Voltage [V] | Load 50% [%] | Load 100% [%] | 16 | 72.0 | 74.3 | 18 | 71.5 | 74.7 | 20 | 70.8 | 74.7 | 24 | 69.0 | 74.4 | 30 | 65.4 | 73.0 | 36 | 61.1 | 70.8 | 40 | 57.9 | 69.0 | -- | - | - | -- | - | - | | |
| Input Voltage [V] | Load 50% [%] | Load 100% [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 72.0 | 74.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 71.5 | 74.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 70.8 | 74.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 69.0 | 74.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 65.4 | 73.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 61.1 | 70.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 57.9 | 69.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated input voltage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

| Model | | SUCS3243R3 | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------------|--|-------------------|---|--|------------------|----------------|--|--|-------------------|-------------------|-------------------|------|---|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | | Efficiency (by Load Current) | | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | <div><div>—△—</div>Input Volt. 18V</div> <div><div>---□---</div>Input Volt. 24V</div> <div><div>-○-</div>Input Volt. 36V</div> <div>Efficiency [%]</div> <div>Load Current [A]</div> | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Efficiency [%]</th></tr><tr><th>Input Volt. 18[V]</th><th>Input Volt. 24[V]</th><th>Input Volt. 36[V]</th></tr><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.12</td><td>59.9</td><td>54.4</td><td>42.6</td></tr><tr><td>0.24</td><td>69.3</td><td>66.1</td><td>56.9</td></tr><tr><td>0.36</td><td>72.6</td><td>70.8</td><td>64.1</td></tr><tr><td>0.48</td><td>74.1</td><td>73.1</td><td>68.2</td></tr><tr><td>0.60</td><td>74.5</td><td>74.3</td><td>70.6</td></tr><tr><td>0.66</td><td>74.6</td><td>74.6</td><td>71.5</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table> | | Load Current [A] | Efficiency [%] | | | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | 0.00 | - | - | - | 0.12 | 59.9 | 54.4 | 42.6 | 0.24 | 69.3 | 66.1 | 56.9 | 0.36 | 72.6 | 70.8 | 64.1 | 0.48 | 74.1 | 73.1 | 68.2 | 0.60 | 74.5 | 74.3 | 70.6 | 0.66 | 74.6 | 74.6 | 71.5 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Efficiency [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.12 | 59.9 | 54.4 | 42.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.24 | 69.3 | 66.1 | 56.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.36 | 72.6 | 70.8 | 64.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.48 | 74.1 | 73.1 | 68.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.60 | 74.5 | 74.3 | 70.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.66 | 74.6 | 74.6 | 71.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- 5 -

BC-3777

COSEL

| Model | SUCS3243R3 | Temperature 25°C Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------------|--|-----------------------------|------------------------------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|---|---|----|---|---|--|--|
| Item | Line Regulation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V0.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>---□---</div><div>Load 50%</div></div><div><div>---△---</div><div>Load 100%</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Output Voltage [V] Load 50%</th><th>Output Voltage [V] Load 100%</th></tr></thead><tbody><tr><td>16</td><td>3.303</td><td>3.301</td></tr><tr><td>18</td><td>3.303</td><td>3.301</td></tr><tr><td>20</td><td>3.303</td><td>3.301</td></tr><tr><td>24</td><td>3.303</td><td>3.301</td></tr><tr><td>30</td><td>3.303</td><td>3.301</td></tr><tr><td>36</td><td>3.303</td><td>3.301</td></tr><tr><td>40</td><td>3.303</td><td>3.301</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table> <p>Note: Slanted line shows the range of the rated input voltage.</p> | | Input Voltage [V] | Output Voltage [V] Load 50% | Output Voltage [V] Load 100% | 16 | 3.303 | 3.301 | 18 | 3.303 | 3.301 | 20 | 3.303 | 3.301 | 24 | 3.303 | 3.301 | 30 | 3.303 | 3.301 | 36 | 3.303 | 3.301 | 40 | 3.303 | 3.301 | -- | - | - | -- | - | - | | |
| Input Voltage [V] | Output Voltage [V] Load 50% | Output Voltage [V] Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 3.303 | 3.301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Temperature 25°C
Testing Circuitry Figure A



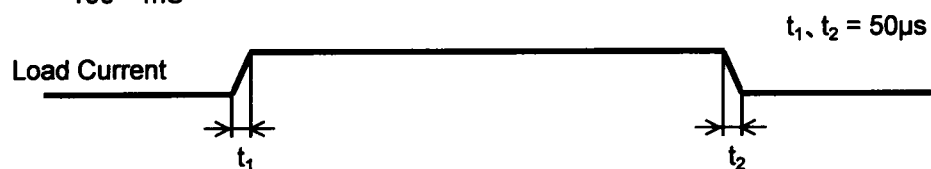
| Load Current [A] | Output Voltage [V] | | |
|------------------------|----------------------|----------------------|----------------------|
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] |
| 0.00 | 3.304 | 3.304 | 3.305 |
| 0.12 | 3.304 | 3.304 | 3.304 |
| 0.24 | 3.303 | 3.303 | 3.303 |
| 0.36 | 3.302 | 3.302 | 3.302 |
| 0.48 | 3.302 | 3.302 | 3.302 |
| 0.60 | 3.301 | 3.301 | 3.301 |
| 0.66 | 3.301 | 3.301 | 3.301 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |

- 7 -

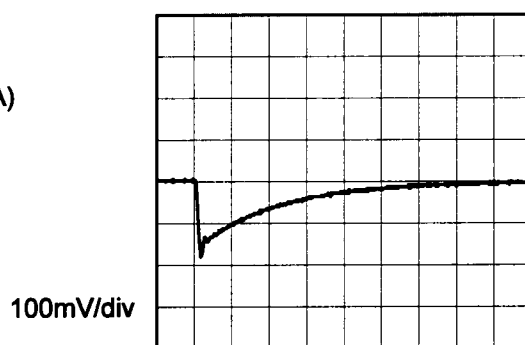
COSEL

| | | | |
|--------|-----------------------|-------------------|----------|
| Model | SUCS3243R3 | Temperature | 25°C |
| Item | Dynamic Load Response | Testing Circuitry | Figure A |
| Object | +3.3V0.6A | | |

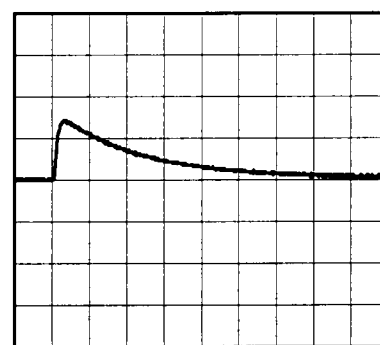
Input Volt. 24 V
Cycle 100 mS



Min. Load (0A) \longleftrightarrow
Load 100% (0.6A)

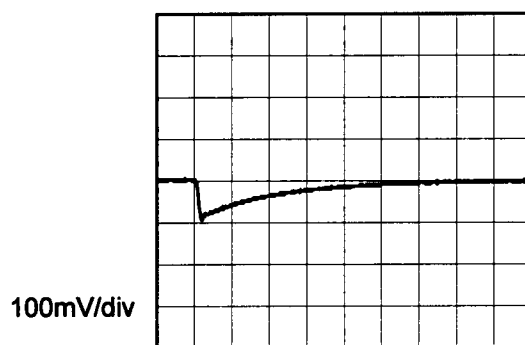


200µs/div

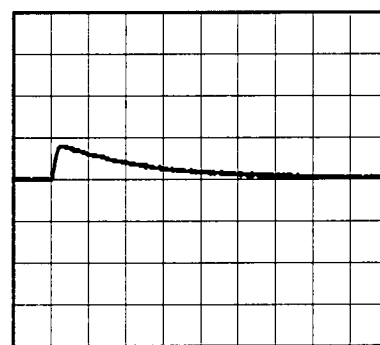


200µs/div

Min. Load (0A) \longleftrightarrow
Load 50% (0.3A)

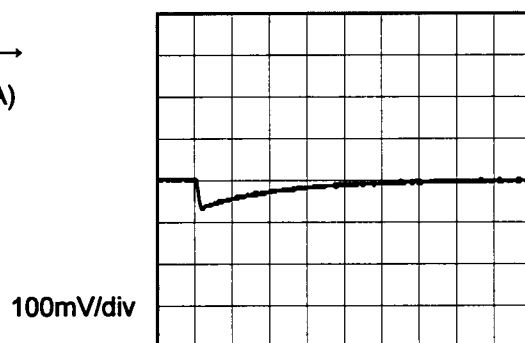


200µs/div



200µs/div

Load 50% (0.3A) \longleftrightarrow
Load 100% (0.6A)



200µs/div



200µs/div

COSEL

| Model | SUCS3243R3 | Temperature25°C Testing CircuitryFigure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------------|--|--|------------------|---------------------|--|--------------------|--------------------|------|---|---|------|---|---|------|---|---|------|---|---|------|----|---|------|----|---|------|----|----|----|---|---|----|---|---|----|---|---|----|---|---|
| Item | Ripple Voltage (by Load Current) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V0.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.18V</div></div><div><div>- - -○- - -</div><div>Input Volt.36V</div></div></div> <p>Ripple Voltage [mV]</p> <p>Load Current [A]</p> | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Input Volt. 18 [V]</th><th>Input Volt. 36 [V]</th></tr><tr><td>0.00</td><td>3</td><td>3</td></tr><tr><td>0.12</td><td>4</td><td>3</td></tr><tr><td>0.24</td><td>5</td><td>5</td></tr><tr><td>0.36</td><td>7</td><td>6</td></tr><tr><td>0.48</td><td>12</td><td>7</td></tr><tr><td>0.60</td><td>16</td><td>9</td></tr><tr><td>0.66</td><td>19</td><td>11</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. 18 [V] | Input Volt. 36 [V] | 0.00 | 3 | 3 | 0.12 | 4 | 3 | 0.24 | 5 | 5 | 0.36 | 7 | 6 | 0.48 | 12 | 7 | 0.60 | 16 | 9 | 0.66 | 19 | 11 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Load Current [A] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18 [V] | Input Volt. 36 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.12 | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.24 | 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.36 | 7 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.48 | 12 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.60 | 16 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.66 | 19 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Measured by 100 MHz Oscilloscope. Ripple Voltage is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Ripple [mVp-p]</p> <p>Fig.Complex Ripple Wave Form</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

-9-

BC-3777

COSEL

Model

SUCS3243R3

Item

Ripple-Noise

Object

+3.3V0.6A

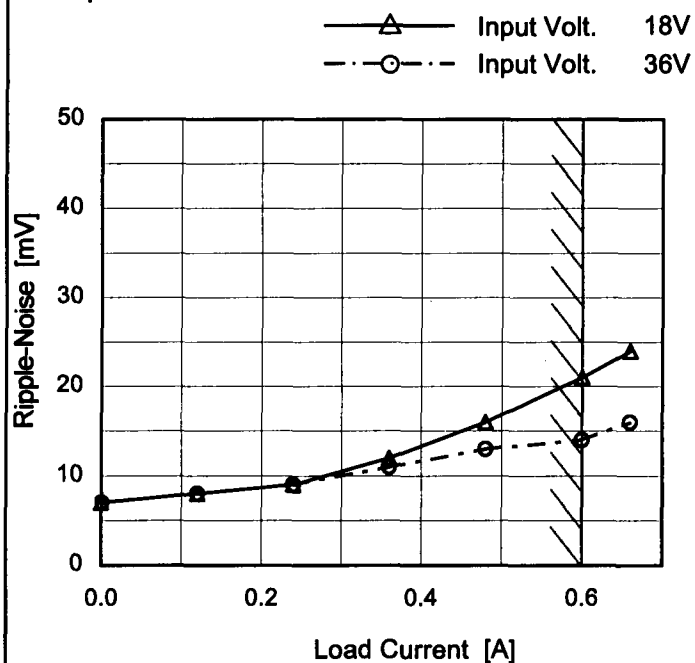
Temperature

25°C

Testing Circuitry

Figure B

1.Graph



Measured by 100 MHz Oscilloscope.

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

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

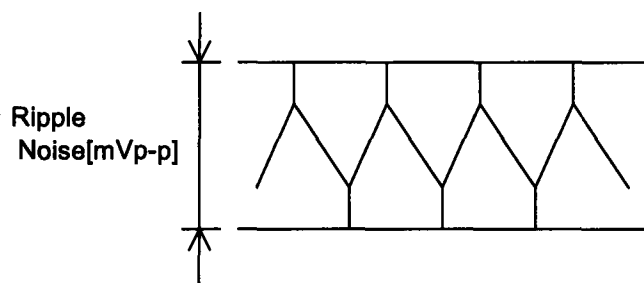


Fig.Complex Ripple Noise Wave Form

2.Values

| Load Current [A] | Ripple-Noise [mV] | |
|------------------|--------------------|--------------------|
| | Input Volt. 18 [V] | Input Volt. 36 [V] |
| 0.00 | 7 | 7 |
| 0.12 | 8 | 8 |
| 0.24 | 9 | 9 |
| 0.36 | 12 | 11 |
| 0.48 | 16 | 13 |
| 0.60 | 21 | 14 |
| 0.66 | 24 | 16 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

COSEL

| Model | SUCS3243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|---|--|--------------------------|---------------------|--|----------|-----------|-----|----|----|-----|----|----|-----|----|----|---|----|----|----|----|----|----|---|----|----|---|----|----|---|---|----|---|---|----|---|---|----|---|---|
| Item | Ripple Voltage (by Ambient Temp.) | Testing Circuitry Figure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V0.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>---□--- Load 50%</div><div>—△— Load 100%</div></div> <p>Input Volt. 24V</p> | | <table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>-60</td><td>15</td><td>23</td></tr><tr><td>-40</td><td>15</td><td>22</td></tr><tr><td>-20</td><td>14</td><td>21</td></tr><tr><td>0</td><td>13</td><td>19</td></tr><tr><td>25</td><td>10</td><td>14</td></tr><tr><td>55</td><td>6</td><td>10</td></tr><tr><td>60</td><td>6</td><td>10</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> | | Ambient Temperature [°C] | Ripple Voltage [mV] | | Load 50% | Load 100% | -60 | 15 | 23 | -40 | 15 | 22 | -20 | 14 | 21 | 0 | 13 | 19 | 25 | 10 | 14 | 55 | 6 | 10 | 60 | 6 | 10 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Ambient Temperature [°C] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 15 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 15 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 14 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 13 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 10 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Measured by 100 MHz Oscilloscope. Note: Slanted line shows the range of the rated ambient temperature. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COSEL

Model SUCS3243R3

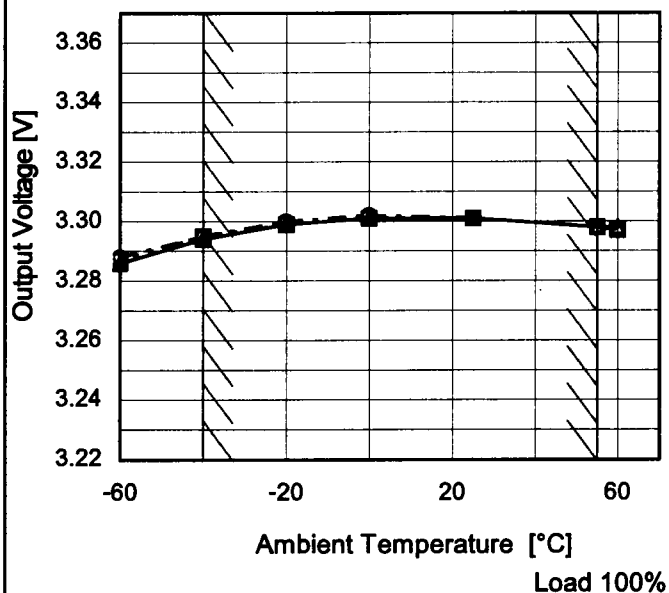
Item Ambient Temperature Drift

Object +3.3V0.6A

Testing Circuitry Figure A

1.Graph

—△— Input Volt. 18V
 ---□--- Input Volt. 24V
 ---○--- Input Volt. 36V



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

2.Values

| Ambient Temperature [°C] | Output Voltage [V] | | |
|--------------------------|--------------------|-------------------|-------------------|
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] |
| -60 | 3.286 | 3.287 | 3.288 |
| -40 | 3.294 | 3.295 | 3.295 |
| -20 | 3.299 | 3.299 | 3.300 |
| 0 | 3.301 | 3.301 | 3.302 |
| 25 | 3.301 | 3.301 | 3.301 |
| 55 | 3.298 | 3.298 | 3.298 |
| 60 | 3.298 | 3.297 | 3.297 |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |
| -- | - | - | - |



| | | | |
|--------|--|-------------------------|----------------------------|
| Model | | SUCS3243R3 | Testing Circuitry Figure A |
| Item | | Output Voltage Accuracy | |
| Object | | +3.3V0.6A | |

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 : 18 - 36V

Load Current : 0 - 0.6A

* 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

| Item | Temperature [°C] | Input Voltage[V] | Output | | Output Voltage Accuracy | |
|-----------------|---------------------|---------------------|------------|------------|-------------------------|-----------|
| | | | Current[A] | Voltage[V] | Value [mV] | Ratio [%] |
| Maximum Voltage | 25 | 36 | 0 | 3.305 | ±6 | ±0.2 |
| Minimum Voltage | -40 | 18 | 0.6 | 3.294 | | |

COSEL

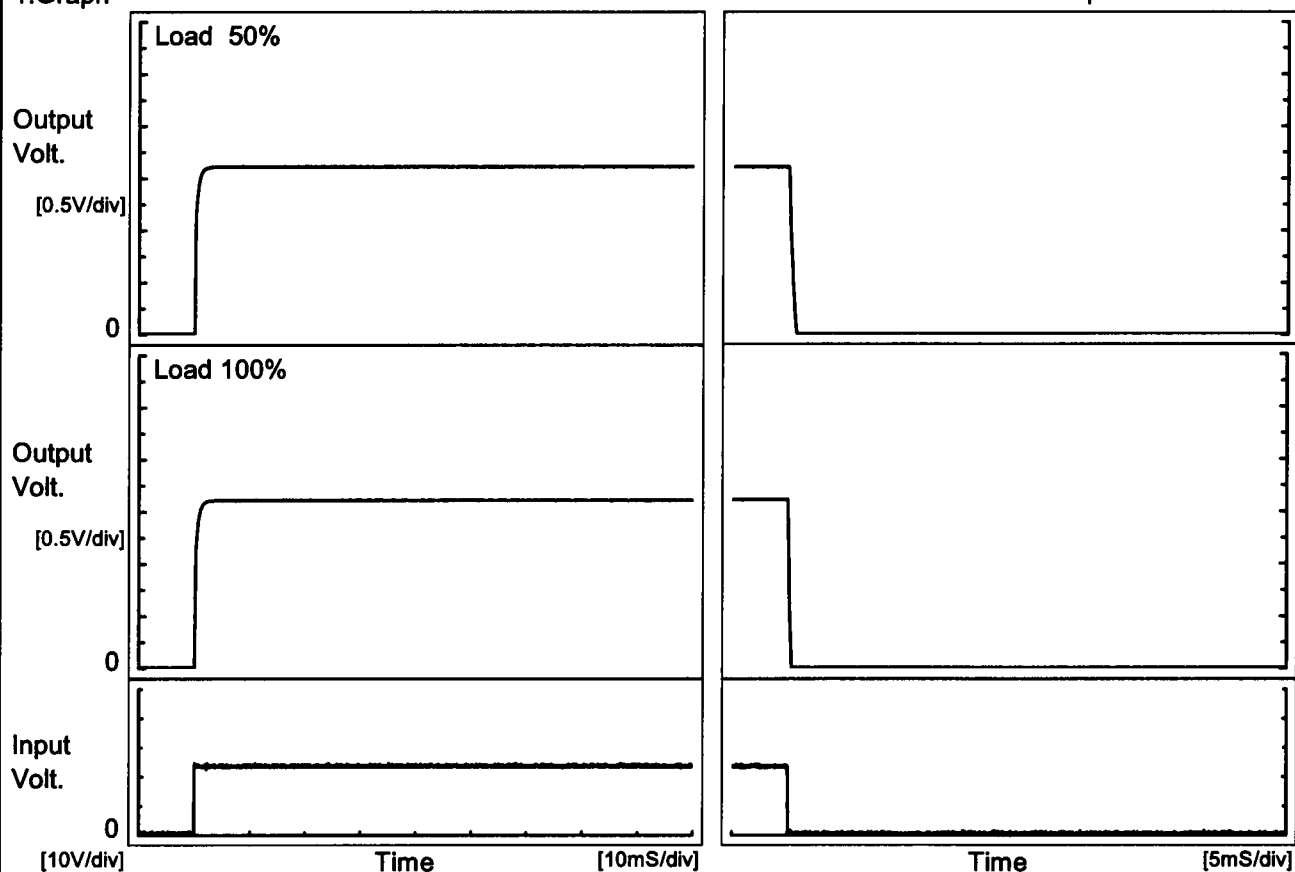
| | | | |
|--|------------------|-------------------|----------|
| | | | |
| Model | SUCS3243R3 | | |
| Item | Time Lapse Drift | Temperature | 25°C |
| | | Testing Circuitry | Figure A |
| Object | +3.3V0.6A | | |
| 1.Graph | | 2.Values | |
| <div><div><div>Output Voltage [V]</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><</div></div></div></div> | | | |

COSEL

| | | | |
|--------|--------------------|-------------------|----------|
| Model | SUCS3243R3 | Temperature | 25°C |
| Item | Rise and Fall Time | Testing Circuitry | Figure A |
| Object | +3.3V0.6A | | |

1. Graph

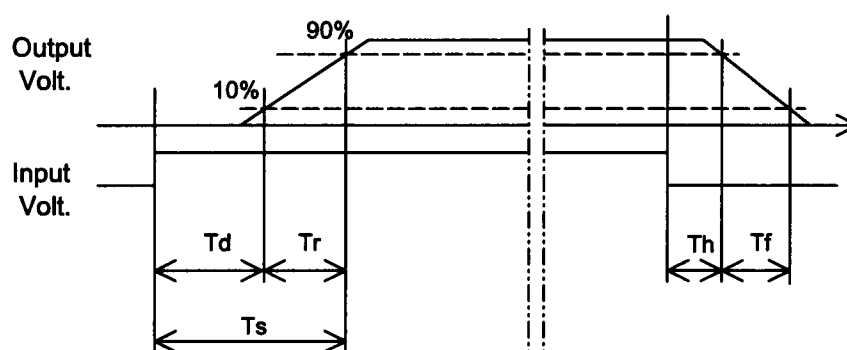
Input Volt. 24 V



2. Values

[mS]

| Load \ Time | Td | Tr | Ts | Th | Tf |
|-------------|-----|-----|-----|-----|-----|
| 50 % | 0.1 | 1.0 | 1.1 | 0.1 | 0.6 |
| 100 % | 0.1 | 1.0 | 1.1 | 0.1 | 0.3 |



COSEL

Model

SUCS3243R3

Item

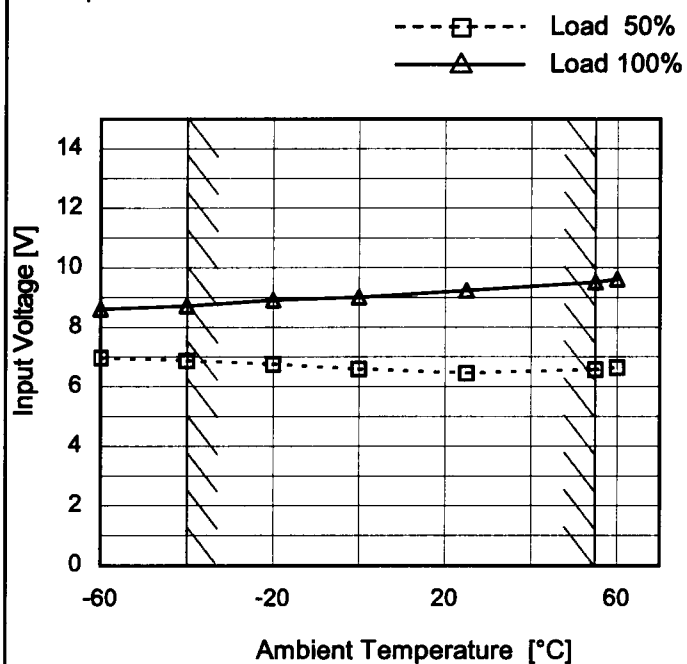
Minimum Input Voltage
for Regulated Output Voltage

Object

+3.3V0.6A

Testing Circuitry Figure A

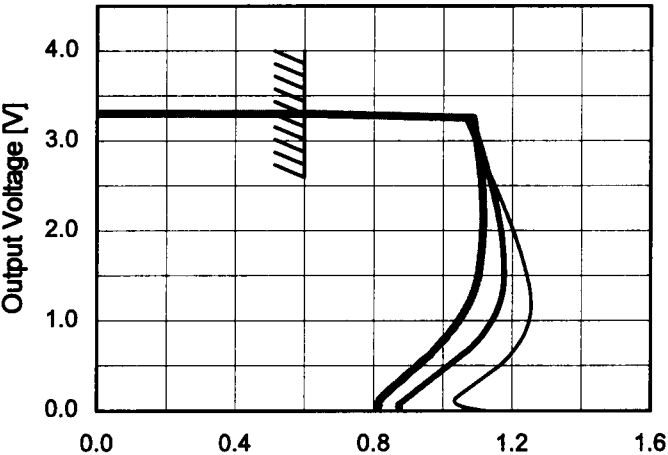
1. Graph



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

2. Values

| Ambient Temperature [°C] | Input Voltage [V] | |
|--------------------------|-------------------|-----------|
| | Load 50% | Load 100% |
| -60 | 7.0 | 8.7 |
| -40 | 6.9 | 8.8 |
| -20 | 6.8 | 9.0 |
| 0 | 6.6 | 9.1 |
| 25 | 6.5 | 9.3 |
| 55 | 6.6 | 9.6 |
| 60 | 6.7 | 9.7 |
| -- | - | - |
| -- | - | - |
| -- | - | - |
| -- | - | - |

| | | | |
|--|------------------------|-------------------|-------------------|
| LUXCEL | | | |
| Model | SUCS3243R3 | | |
| Item | Overcurrent Protection | | |
| Object | +3.3V0.6A | | |
| 1.Graph | | Input Volt. 18V | 25°C Figure A |
| | | Input Volt. 24V | |
| | | Input Volt. 36V | |
|  | | | |
| Note: Slanted line shows the range of the rated load current. | | | |
| 2.Values | | | |
| Output Voltage [V] | Load Current [A] | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] |
| 3.30 | 0.60 | 0.60 | 0.60 |
| 3.14 | 1.08 | 1.09 | 1.09 |
| 2.97 | 1.10 | 1.11 | 1.10 |
| 2.64 | 1.14 | 1.13 | 1.11 |
| 2.31 | 1.17 | 1.15 | 1.12 |
| 1.98 | 1.21 | 1.17 | 1.12 |
| 1.65 | 1.23 | 1.18 | 1.11 |
| 1.32 | 1.25 | 1.17 | 1.09 |
| 0.99 | 1.25 | 1.14 | 1.04 |
| 0.66 | 1.21 | 1.08 | 0.96 |
| 0.33 | 1.05 | 0.87 | 0.83 |
| 0.00 | 1.12 | 0.88 | 0.82 |

- 17 -

BC-3777

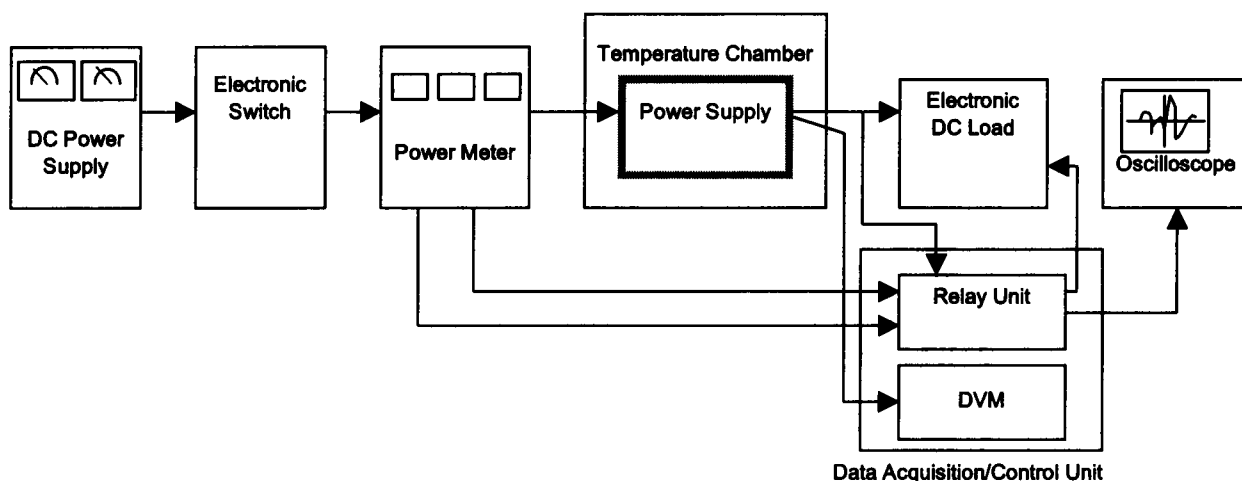


Figure A

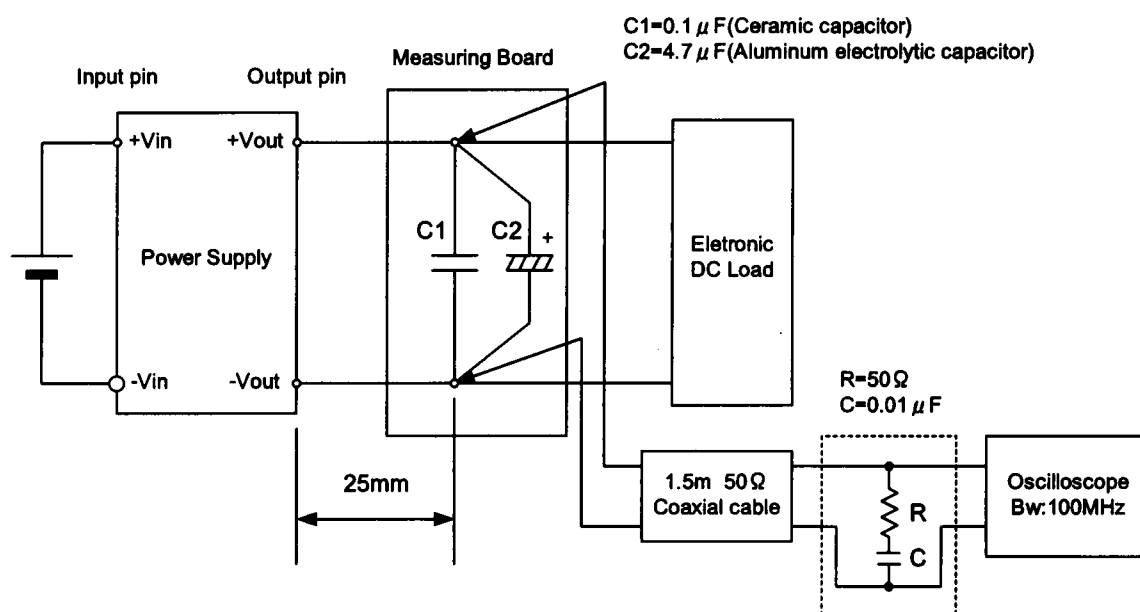


Figure B (Ripple and Ripple noise Characteristic)