

TEST DATA OF SUTS10243R3

Regulated DC Power Supply
February 12, 2009

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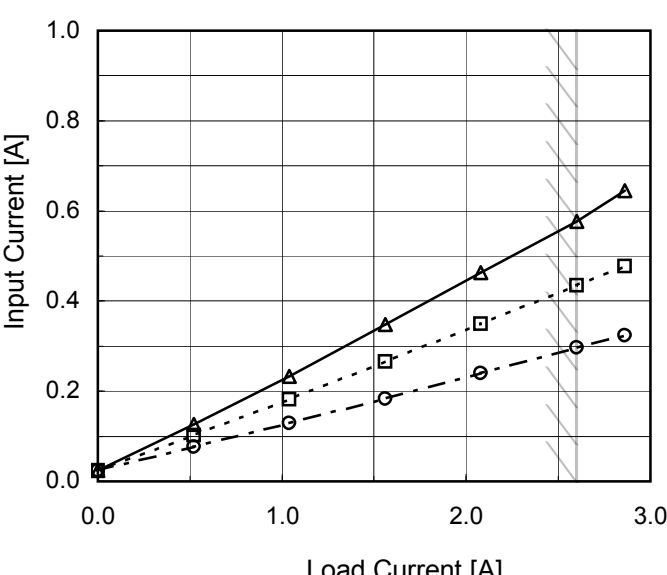
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| Model | | SUTS10243R3 | | Temperature 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|--|-------------------|----------------------------|--|------------------|-------------------|--|--|-------------------|-------------------|-------------------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | | Input Current (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>  <p>Input Current [A]</p> <p>Load Current [A]</p> | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Current [A]</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>0.024</td><td>0.024</td><td>0.024</td></tr><tr><td>0.52</td><td>0.126</td><td>0.102</td><td>0.077</td></tr><tr><td>1.04</td><td>0.233</td><td>0.182</td><td>0.129</td></tr><tr><td>1.56</td><td>0.348</td><td>0.266</td><td>0.184</td></tr><tr><td>2.08</td><td>0.464</td><td>0.350</td><td>0.240</td></tr><tr><td>2.60</td><td>0.577</td><td>0.435</td><td>0.297</td></tr><tr><td>2.86</td><td>0.645</td><td>0.478</td><td>0.323</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] | Input Current [A] | | | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | 0.00 | 0.024 | 0.024 | 0.024 | 0.52 | 0.126 | 0.102 | 0.077 | 1.04 | 0.233 | 0.182 | 0.129 | 1.56 | 0.348 | 0.266 | 0.184 | 2.08 | 0.464 | 0.350 | 0.240 | 2.60 | 0.577 | 0.435 | 0.297 | 2.86 | 0.645 | 0.478 | 0.323 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Input Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 0.024 | 0.024 | 0.024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.52 | 0.126 | 0.102 | 0.077 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | 0.233 | 0.182 | 0.129 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.56 | 0.348 | 0.266 | 0.184 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.08 | 0.464 | 0.350 | 0.240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.60 | 0.577 | 0.435 | 0.297 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.86 | 0.645 | 0.478 | 0.323 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|---|-------------------|------------------|-----------------|--|--|-------------------|-------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | Input Power (by Load Current) | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>18V</div></div><div><div>---□---</div><div>Input Volt.</div><div>24V</div></div><div><div>---○---</div><div>Input Volt.</div><div>36V</div></div></div> <p>Note: Slanted line shows the range of the rated load current.</p> | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Power [W]</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>0.43</td><td>0.59</td><td>0.86</td></tr><tr><td>0.52</td><td>2.27</td><td>2.44</td><td>2.78</td></tr><tr><td>1.04</td><td>4.17</td><td>4.37</td><td>4.65</td></tr><tr><td>1.56</td><td>6.26</td><td>6.36</td><td>6.60</td></tr><tr><td>2.08</td><td>8.29</td><td>8.37</td><td>8.63</td></tr><tr><td>2.60</td><td>10.42</td><td>10.40</td><td>10.66</td></tr><tr><td>2.86</td><td>11.51</td><td>11.42</td><td>11.62</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] | Input Power [W] | | | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | 0.00 | 0.43 | 0.59 | 0.86 | 0.52 | 2.27 | 2.44 | 2.78 | 1.04 | 4.17 | 4.37 | 4.65 | 1.56 | 6.26 | 6.36 | 6.60 | 2.08 | 8.29 | 8.37 | 8.63 | 2.60 | 10.42 | 10.40 | 10.66 | 2.86 | 11.51 | 11.42 | 11.62 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Input Power [W] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 0.43 | 0.59 | 0.86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.52 | 2.27 | 2.44 | 2.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | 4.17 | 4.37 | 4.65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.56 | 6.26 | 6.36 | 6.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.08 | 8.29 | 8.37 | 8.63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.60 | 10.42 | 10.40 | 10.66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.86 | 11.51 | 11.42 | 11.62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|-------------------|----------------|--|----------|-----------|----|------|------|----|------|------|----|------|------|----|------|------|----|------|------|----|------|------|----|------|------|----|---|---|----|---|---|--|--|
| Item | Efficiency (by Input Voltage) | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 rowspan="2">Input Voltage [V]</th><th colspan="2">Efficiency [%]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr></thead><tbody><tr><td>16</td><td>81.3</td><td>80.6</td></tr><tr><td>18</td><td>81.0</td><td>81.6</td></tr><tr><td>20</td><td>81.1</td><td>81.9</td></tr><tr><td>24</td><td>81.6</td><td>81.9</td></tr><tr><td>30</td><td>78.0</td><td>81.0</td></tr><tr><td>36</td><td>75.6</td><td>79.9</td></tr><tr><td>40</td><td>74.1</td><td>79.2</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table> | | Input Voltage [V] | Efficiency [%] | | Load 50% | Load 100% | 16 | 81.3 | 80.6 | 18 | 81.0 | 81.6 | 20 | 81.1 | 81.9 | 24 | 81.6 | 81.9 | 30 | 78.0 | 81.0 | 36 | 75.6 | 79.9 | 40 | 74.1 | 79.2 | -- | - | - | -- | - | - | | |
| Input Voltage [V] | Efficiency [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 81.3 | 80.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 81.0 | 81.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 81.1 | 81.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 81.6 | 81.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 78.0 | 81.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 75.6 | 79.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 74.1 | 79.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated input voltage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------|---|-------------------|------------------|----------------|--|--|-------------------|-------------------|-------------------|------|---|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | Efficiency (by Load Current) | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>—△— Input Volt. 18V</div><div>---□--- Input Volt. 24V</div><div>-·-○-·- Input Volt. 36V</div></div> <p>Efficiency [%]</p> <p>Load Current [A]</p> | | <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>0.52</td><td>75.4</td><td>70.2</td><td>61.4</td></tr><tr><td>1.04</td><td>82.0</td><td>78.3</td><td>73.5</td></tr><tr><td>1.56</td><td>81.9</td><td>80.6</td><td>77.6</td></tr><tr><td>2.08</td><td>82.3</td><td>81.6</td><td>79.1</td></tr><tr><td>2.60</td><td>81.8</td><td>81.9</td><td>79.9</td></tr><tr><td>2.86</td><td>81.3</td><td>82.0</td><td>80.6</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 | - | - | - | 0.52 | 75.4 | 70.2 | 61.4 | 1.04 | 82.0 | 78.3 | 73.5 | 1.56 | 81.9 | 80.6 | 77.6 | 2.08 | 82.3 | 81.6 | 79.1 | 2.60 | 81.8 | 81.9 | 79.9 | 2.86 | 81.3 | 82.0 | 80.6 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Efficiency [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.52 | 75.4 | 70.2 | 61.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | 82.0 | 78.3 | 73.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.56 | 81.9 | 80.6 | 77.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.08 | 82.3 | 81.6 | 79.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.60 | 81.8 | 81.9 | 79.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.86 | 81.3 | 82.0 | 80.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|--------------------------------|-------------------------------|--------------------------------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|---|--|-------------------|--------------------|--|----------|-----------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|---|---|----|---|---|
| Item | Line Regulation | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>---</div><div>□</div><div>---</div></div><div>Load 50%</div></div> <div><div>—</div><div>△</div><div>—</div></div> <div>Load 100%</div> <div><table><caption>Line Regulation Data</caption><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>3.285</td><td>3.271</td></tr><tr><td>18</td><td>3.285</td><td>3.272</td></tr><tr><td>20</td><td>3.285</td><td>3.272</td></tr><tr><td>24</td><td>3.285</td><td>3.273</td></tr><tr><td>30</td><td>3.285</td><td>3.273</td></tr><tr><td>36</td><td>3.285</td><td>3.273</td></tr><tr><td>40</td><td>3.285</td><td>3.273</td></tr></tbody></table></div> <div>Note: Slanted line shows the range of the rated input voltage.</div> | | Input Voltage [V] | Output Voltage [V] (Load 50%) | Output Voltage [V] (Load 100%) | 16 | 3.285 | 3.271 | 18 | 3.285 | 3.272 | 20 | 3.285 | 3.272 | 24 | 3.285 | 3.273 | 30 | 3.285 | 3.273 | 36 | 3.285 | 3.273 | 40 | 3.285 | 3.273 | <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>16</td><td>3.285</td><td>3.271</td></tr><tr><td>18</td><td>3.285</td><td>3.272</td></tr><tr><td>20</td><td>3.285</td><td>3.272</td></tr><tr><td>24</td><td>3.285</td><td>3.273</td></tr><tr><td>30</td><td>3.285</td><td>3.273</td></tr><tr><td>36</td><td>3.285</td><td>3.273</td></tr><tr><td>40</td><td>3.285</td><td>3.273</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table> | | Input Voltage [V] | Output Voltage [V] | | Load 50% | Load 100% | 16 | 3.285 | 3.271 | 18 | 3.285 | 3.272 | 20 | 3.285 | 3.272 | 24 | 3.285 | 3.273 | 30 | 3.285 | 3.273 | 36 | 3.285 | 3.273 | 40 | 3.285 | 3.273 | -- | - | - | -- | - | - |
| Input Voltage [V] | Output Voltage [V] (Load 50%) | Output Voltage [V] (Load 100%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 3.285 | 3.271 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 3.285 | 3.272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 3.285 | 3.272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input Voltage [V] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 3.285 | 3.271 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 3.285 | 3.272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 3.285 | 3.272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 3.285 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|---|-------------------|------------------|--------------------|--|--|-------------------|-------------------|-------------------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | Load Regulation | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>18V</div></div><div><div>---□---</div><div>Input Volt.</div><div>24V</div></div><div><div>---○---</div><div>Input Volt.</div><div>36V</div></div></div> <div><div>Output Voltage [V]</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. 18[V]</th><th>Input Volt. 24[V]</th><th>Input Volt. 36[V]</th></tr><tr><td>0.00</td><td>3.297</td><td>3.297</td><td>3.298</td></tr><tr><td>0.52</td><td>3.292</td><td>3.292</td><td>3.292</td></tr><tr><td>1.04</td><td>3.288</td><td>3.288</td><td>3.288</td></tr><tr><td>1.56</td><td>3.283</td><td>3.283</td><td>3.283</td></tr><tr><td>2.08</td><td>3.277</td><td>3.278</td><td>3.278</td></tr><tr><td>2.60</td><td>3.272</td><td>3.272</td><td>3.272</td></tr><tr><td>2.86</td><td>3.268</td><td>3.269</td><td>3.270</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. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | 0.00 | 3.297 | 3.297 | 3.298 | 0.52 | 3.292 | 3.292 | 3.292 | 1.04 | 3.288 | 3.288 | 3.288 | 1.56 | 3.283 | 3.283 | 3.283 | 2.08 | 3.277 | 3.278 | 3.278 | 2.60 | 3.272 | 3.272 | 3.272 | 2.86 | 3.268 | 3.269 | 3.270 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Load Current [A] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 3.297 | 3.297 | 3.298 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.52 | 3.292 | 3.292 | 3.292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | 3.288 | 3.288 | 3.288 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.56 | 3.283 | 3.283 | 3.283 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.08 | 3.277 | 3.278 | 3.278 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.60 | 3.272 | 3.272 | 3.272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.86 | 3.268 | 3.269 | 3.270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Slanted line shows the range of the rated load current. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



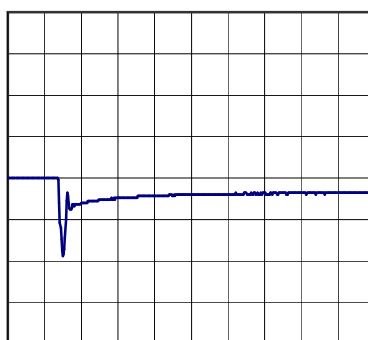
| | | |
|--------|-----------------------|--|
| Model | SUTS10243R3 | Temperature 25°C Testing Circuitry Figure A |
| Item | Dynamic Load Response | |
| Object | +3.3V2.6A | |

Input Volt. 24 V
Cycle 100 mS

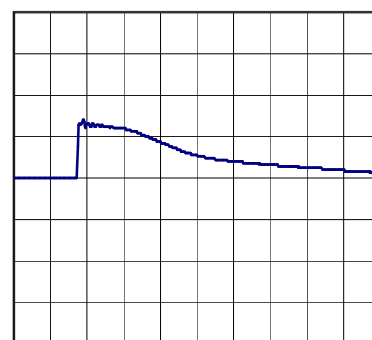


Min. Load (0A) \longleftrightarrow
Load 100% (2.6A)

200mV/div



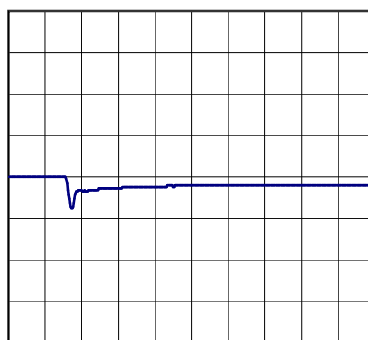
200µs/div



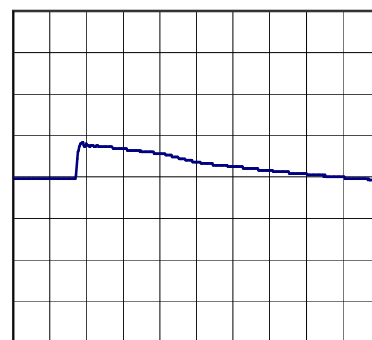
200µs/div

Min. Load (0A) \longleftrightarrow
Load 50% (1.3A)

200mV/div



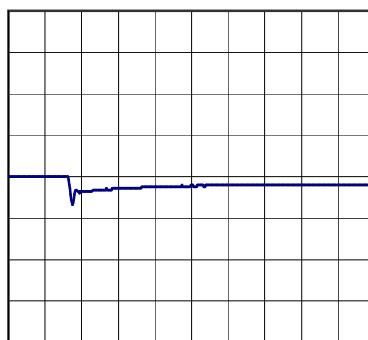
200µs/div



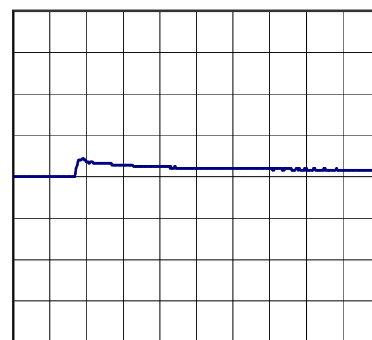
200µs/div

Load 50% (1.3A) \longleftrightarrow
Load 100% (2.6A)

200mV/div



200µs/div



200µs/div

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------------|--|----------|------------------|---------------------|--|--------------------|--------------------|------|---|---|------|---|---|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|----|---|---|----|---|---|----|---|---|----|---|---|
| Item | Ripple Voltage (by Load Current) | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>18V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>36V</div></div></div> <p>Ripple Voltage is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</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>1</td><td>5</td></tr><tr><td>0.52</td><td>8</td><td>9</td></tr><tr><td>1.04</td><td>15</td><td>14</td></tr><tr><td>1.56</td><td>20</td><td>18</td></tr><tr><td>2.08</td><td>25</td><td>24</td></tr><tr><td>2.60</td><td>31</td><td>25</td></tr><tr><td>2.86</td><td>34</td><td>26</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 | 1 | 5 | 0.52 | 8 | 9 | 1.04 | 15 | 14 | 1.56 | 20 | 18 | 2.08 | 25 | 24 | 2.60 | 31 | 25 | 2.86 | 34 | 26 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Load Current [A] | Ripple Voltage [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18 [V] | Input Volt. 36 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.52 | 8 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | 15 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.56 | 20 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.08 | 25 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.60 | 31 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.86 | 34 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Ripple [mVp-p]</p> <p>Fig.Complex Ripple Wave Form</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|---|----------|------------------|-------------------|--|--------------------|--------------------|------|---|----|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|----|---|---|----|---|---|----|---|---|----|---|---|
| Item | Ripple-Noise | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>18V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>36V</div></div></div> <p>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.</p> | | <table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple-Noise [mV]</th></tr><tr><th>Input Volt. 18 [V]</th><th>Input Volt. 36 [V]</th></tr><tr><td>0.00</td><td>9</td><td>15</td></tr><tr><td>0.52</td><td>15</td><td>15</td></tr><tr><td>1.04</td><td>29</td><td>28</td></tr><tr><td>1.56</td><td>37</td><td>32</td></tr><tr><td>2.08</td><td>46</td><td>41</td></tr><tr><td>2.60</td><td>52</td><td>47</td></tr><tr><td>2.86</td><td>57</td><td>51</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. 18 [V] | Input Volt. 36 [V] | 0.00 | 9 | 15 | 0.52 | 15 | 15 | 1.04 | 29 | 28 | 1.56 | 37 | 32 | 2.08 | 46 | 41 | 2.60 | 52 | 47 | 2.86 | 57 | 51 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Load Current [A] | Ripple-Noise [mV] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18 [V] | Input Volt. 36 [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 9 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.52 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | 29 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.56 | 37 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.08 | 46 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.60 | 52 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.86 | 57 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Fig.Complex Ripple Noise Wave Form</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|---|-------------------|--------------------------|--------------------|--|--|-------------------|-------------------|-------------------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|---|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| Item | Ambient Temperature Drift | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>—△—</div><div>Input Volt.</div><div>18V</div></div><div><div>---□---</div><div>Input Volt.</div><div>24V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>36V</div></div></div> <p>Output Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 100%</p> <p>Note: Slanted line shows the range of the rated ambient temperature.</p> | | <table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 18[V]</th><th>Input Volt. 24[V]</th><th>Input Volt. 36[V]</th></tr><tr><td>-60</td><td>3.255</td><td>3.258</td><td>3.259</td></tr><tr><td>-40</td><td>3.263</td><td>3.265</td><td>3.266</td></tr><tr><td>-20</td><td>3.270</td><td>3.272</td><td>3.272</td></tr><tr><td>0</td><td>3.274</td><td>3.276</td><td>3.276</td></tr><tr><td>25</td><td>3.277</td><td>3.278</td><td>3.278</td></tr><tr><td>55</td><td>3.276</td><td>3.276</td><td>3.277</td></tr><tr><td>60</td><td>3.274</td><td>3.274</td><td>3.274</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. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | -60 | 3.255 | 3.258 | 3.259 | -40 | 3.263 | 3.265 | 3.266 | -20 | 3.270 | 3.272 | 3.272 | 0 | 3.274 | 3.276 | 3.276 | 25 | 3.277 | 3.278 | 3.278 | 55 | 3.276 | 3.276 | 3.277 | 60 | 3.274 | 3.274 | 3.274 | -- | - | - | - | -- | - | - | - | -- | - | - | - | -- | - | - | - |
| Ambient Temperature [°C] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 3.255 | 3.258 | 3.259 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 3.263 | 3.265 | 3.266 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 3.270 | 3.272 | 3.272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 3.274 | 3.276 | 3.276 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 3.277 | 3.278 | 3.278 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 3.276 | 3.276 | 3.277 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 3.274 | 3.274 | 3.274 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| | | | |
|--------|--|-------------------------|----------------------------|
| Model | | SUTS10243R3 | Testing Circuitry Figure A |
| Item | | Output Voltage Accuracy | |
| Object | | +3.3V2.6A | |

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 - 2.6A

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

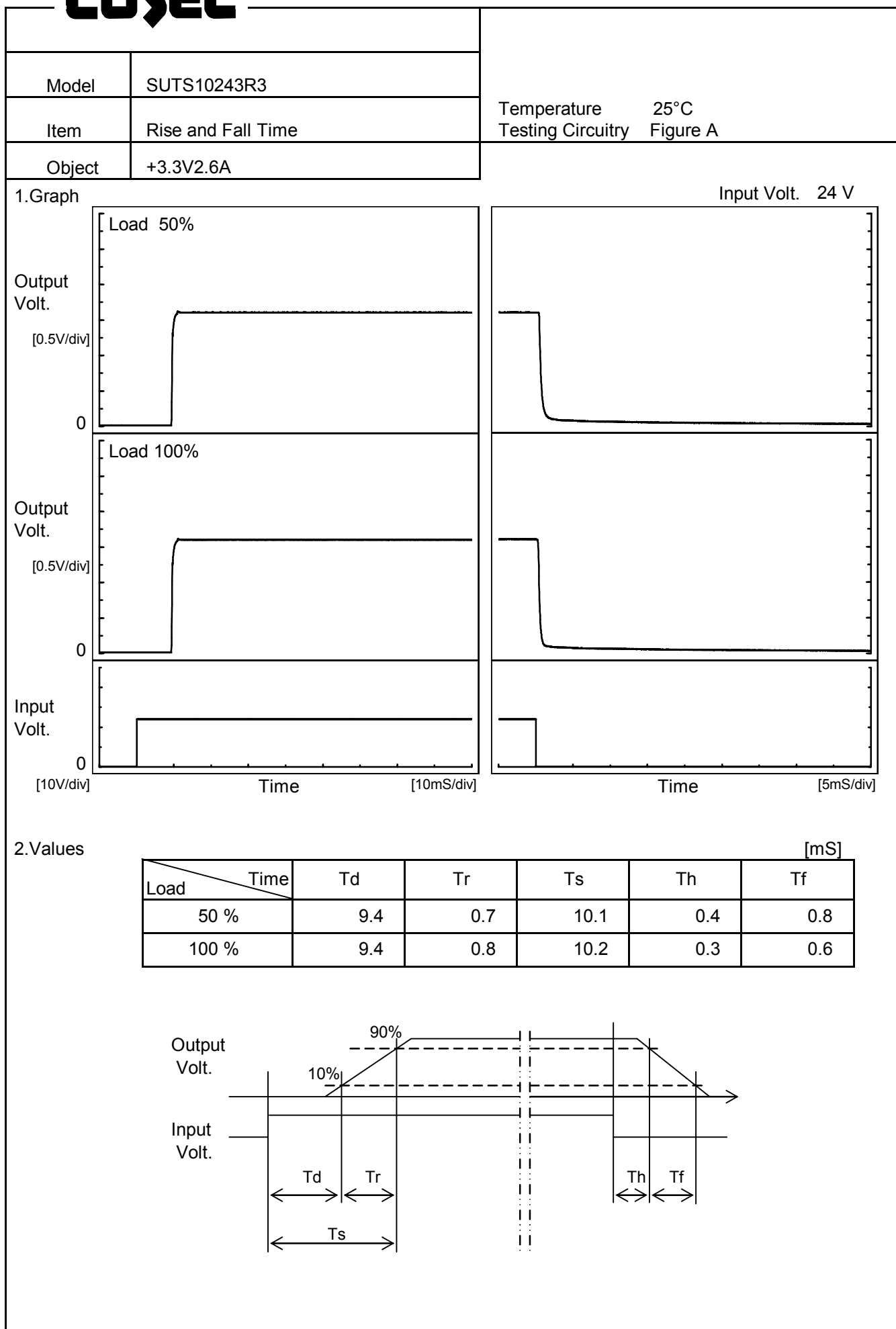
* Output Voltage Accuracy (Ration) = $\frac{\text{Output Voltage Accuracy}}{\text{Rated Output Voltage}} \times 100$

2. Values

| Item | Temperature [°C] | Input Voltage[V] | Output | | Output Voltage Accuracy | |
|-----------------|---------------------|---------------------|------------|------------|-------------------------|------------|
| | | | Current[A] | Voltage[V] | Value [mV] | Ration [%] |
| Maximum Voltage | 55 | 36 | 0 | 3.303 | ±20 | ±0.6 |
| Minimum Voltage | -40 | 18 | 2.6 | 3.263 | | |



| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|--|----------|----------------------|--------------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| Item | Time Lapse Drift | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>3.34</div><div>3.32</div><div>3.30</div><div>3.28</div><div>3.26</div><div>3.24</div><div>3.22</div><div>3.20</div></div><div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div><div><div>Output Voltage [V]</div><div>Time [H]</div></div><div><div>Input Volt.</div><div>24V</div></div><div><div>Load</div><div>100%</div></div></div> | | <table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>3.269</td></tr><tr><td>0.5</td><td>3.273</td></tr><tr><td>1.0</td><td>3.273</td></tr><tr><td>2.0</td><td>3.273</td></tr><tr><td>3.0</td><td>3.273</td></tr><tr><td>4.0</td><td>3.273</td></tr><tr><td>5.0</td><td>3.273</td></tr><tr><td>6.0</td><td>3.273</td></tr><tr><td>7.0</td><td>3.273</td></tr><tr><td>8.0</td><td>3.273</td></tr></table> | | Time since start [H] | Output Voltage [V] | 0.0 | 3.269 | 0.5 | 3.273 | 1.0 | 3.273 | 2.0 | 3.273 | 3.0 | 3.273 | 4.0 | 3.273 | 5.0 | 3.273 | 6.0 | 3.273 | 7.0 | 3.273 | 8.0 | 3.273 |
| Time since start [H] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 3.269 | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | 3.273 | | | | | | | | | | | | | | | | | | | | | | | | |



| Model | SUTS10243R3 | Testing Circuitry Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|-----------------------------|----------------------|--|----------|-----------|-----|------|------|-----|------|------|-----|------|------|---|------|------|----|------|------|----|------|------|----|------|------|----|---|---|----|---|---|----|---|---|----|---|---|
| Item | Minimum Input Voltage for Regulated Output Voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <p>Note: Slanted line shows the range of the rated ambient temperature.</p> | | <table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Input Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>-60</td><td>12.8</td><td>13.0</td></tr><tr><td>-40</td><td>12.7</td><td>12.8</td></tr><tr><td>-20</td><td>12.5</td><td>12.5</td></tr><tr><td>0</td><td>12.4</td><td>12.4</td></tr><tr><td>25</td><td>12.2</td><td>12.1</td></tr><tr><td>55</td><td>11.9</td><td>11.9</td></tr><tr><td>60</td><td>11.9</td><td>11.9</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] | Input Voltage [V] | | Load 50% | Load 100% | -60 | 12.8 | 13.0 | -40 | 12.7 | 12.8 | -20 | 12.5 | 12.5 | 0 | 12.4 | 12.4 | 25 | 12.2 | 12.1 | 55 | 11.9 | 11.9 | 60 | 11.9 | 11.9 | -- | - | - | -- | - | - | -- | - | - | -- | - | - |
| Ambient Temperature [°C] | Input Voltage [V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Load 50% | Load 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -60 | 12.8 | 13.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 12.7 | 12.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20 | 12.5 | 12.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.4 | 12.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 12.2 | 12.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 11.9 | 11.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 11.9 | 11.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | SUTS10243R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|---|-------------------|--------------------|------------------|--|--|-------------------|-------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Item | Overcurrent Protection | Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Testing Circuitry | Figure A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object | +3.3V2.6A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.Graph | | 2.Values | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div></div><div>Input Volt.</div><div>18V</div></div><div><div></div><div>Input Volt.</div><div>24V</div></div><div><div></div><div>Input Volt.</div><div>36V</div></div></div> <p>Output Voltage [V]</p> <p>Load Current [A]</p> <p>Note: Slanted line shows the range of the rated load current.</p> | | <table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 18[V]</th><th>Input Volt. 24[V]</th><th>Input Volt. 36[V]</th></tr><tr><td>3.30</td><td>2.76</td><td>2.75</td><td>2.74</td></tr><tr><td>3.14</td><td>3.84</td><td>4.06</td><td>3.97</td></tr><tr><td>2.97</td><td>3.95</td><td>4.18</td><td>4.12</td></tr><tr><td>2.64</td><td>4.16</td><td>4.40</td><td>4.31</td></tr><tr><td>2.31</td><td>4.30</td><td>4.45</td><td>4.27</td></tr><tr><td>1.98</td><td>4.31</td><td>4.45</td><td>4.21</td></tr><tr><td>1.65</td><td>4.32</td><td>4.47</td><td>4.20</td></tr><tr><td>1.32</td><td>4.39</td><td>4.49</td><td>4.15</td></tr><tr><td>0.99</td><td>4.52</td><td>4.54</td><td>3.92</td></tr><tr><td>0.66</td><td>4.74</td><td>4.64</td><td>3.61</td></tr><tr><td>0.33</td><td>4.89</td><td>4.56</td><td>3.29</td></tr><tr><td>0.00</td><td>4.82</td><td>4.33</td><td>3.35</td></tr></table> | | Output Voltage [V] | Load Current [A] | | | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | 3.30 | 2.76 | 2.75 | 2.74 | 3.14 | 3.84 | 4.06 | 3.97 | 2.97 | 3.95 | 4.18 | 4.12 | 2.64 | 4.16 | 4.40 | 4.31 | 2.31 | 4.30 | 4.45 | 4.27 | 1.98 | 4.31 | 4.45 | 4.21 | 1.65 | 4.32 | 4.47 | 4.20 | 1.32 | 4.39 | 4.49 | 4.15 | 0.99 | 4.52 | 4.54 | 3.92 | 0.66 | 4.74 | 4.64 | 3.61 | 0.33 | 4.89 | 4.56 | 3.29 | 0.00 | 4.82 | 4.33 | 3.35 |
| Output Voltage [V] | Load Current [A] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Volt. 18[V] | Input Volt. 24[V] | Input Volt. 36[V] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.30 | 2.76 | 2.75 | 2.74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.14 | 3.84 | 4.06 | 3.97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.97 | 3.95 | 4.18 | 4.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.64 | 4.16 | 4.40 | 4.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.31 | 4.30 | 4.45 | 4.27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.98 | 4.31 | 4.45 | 4.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.65 | 4.32 | 4.47 | 4.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.32 | 4.39 | 4.49 | 4.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.99 | 4.52 | 4.54 | 3.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.66 | 4.74 | 4.64 | 3.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33 | 4.89 | 4.56 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | 4.82 | 4.33 | 3.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

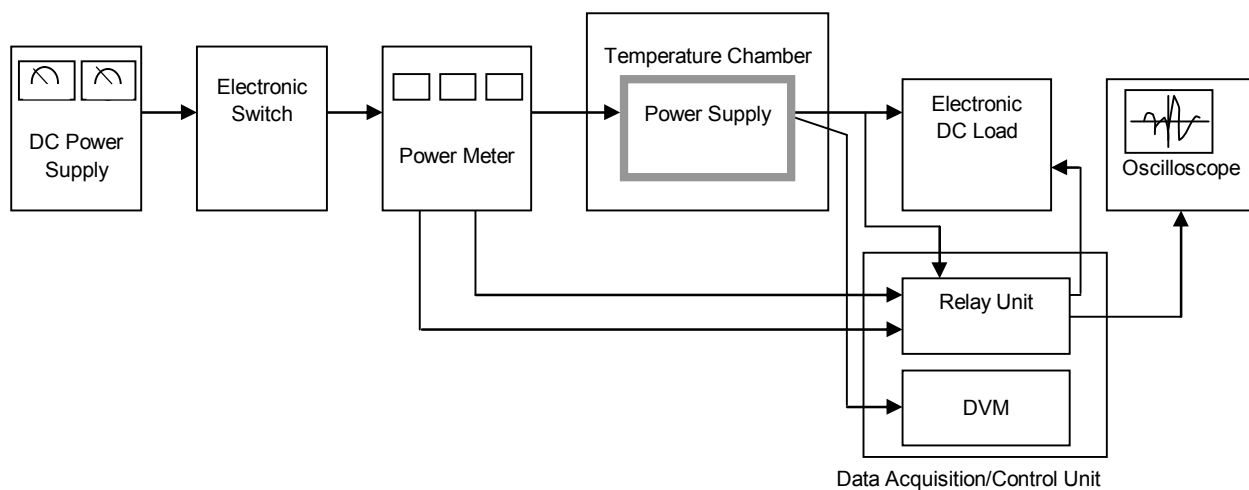


Figure A

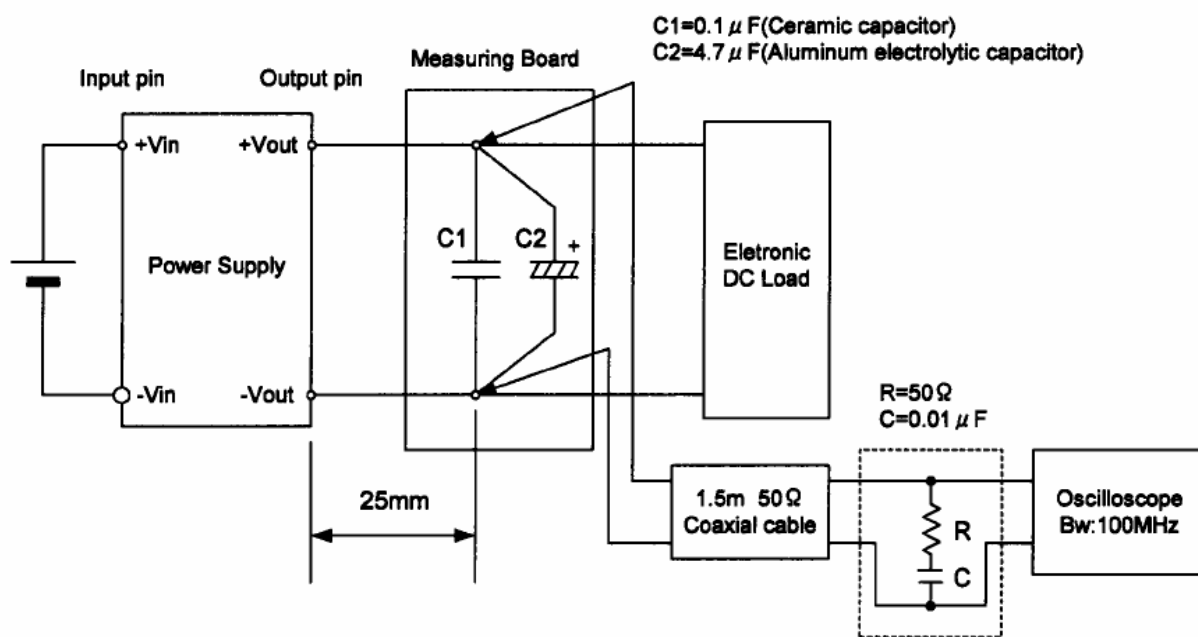


Figure B (Ripple and Ripple noise Characteristic)