



Test Report: DDR-480D-48

480W DIN Rail Type DC-DC Converter

■ DESIGN VERIFY TEST

Output Function Test

Input Function Test

Protection Function Test

Control Function Test

Component Stress Test

■ SAFETY&E.M.C. TEST

Safety Test

E.M.C. Test




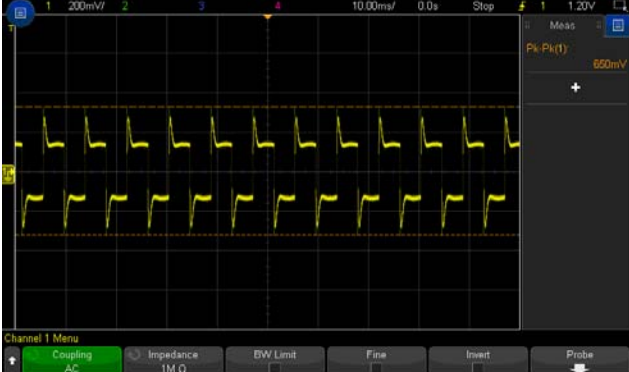

■ RELIABILITY TEST

ENVIRONMENT TEST

DESIGN VERIFY TEST

OUTPUT FUNCTION TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT |
|----|-------------------------------|---|---|-------------------|
| 1 | OUTPUT VOLTAGE ADJUST RANGE | CH1: 48V~ 56V | I/P:NORMAL VOLTAGE O/P:MIN LOAD Ta:25°C | CH1:46.04V~57.83V |
| 2 | OUTPUT VOLTAGE TOLERANCE(Max) | V1:-1%~1 % | I/P:67.2VDC /154VDC O/P:FULL/ MIN. LOAD Ta:25°C | V1: -0.11%~0.10% |
| 3 | LINE REGULATION(Max) | V1: -0.5%~ 0.5% | I/P:67.2VDC /154VDC O/P:FULL LOAD Ta:25°C | V1:-0.01%~0.01% |
| 4 | LOAD REGULATION(Max) | V1:-1%~1 % | I/P: 110VDC O/P:FULL ~MIN LOAD Ta:25°C | V1:-0.11%~0.10% |
| 5 | OVER/UNDERSHOOT TEST | <±5% | I/P:110VDC O/P:FULL LOAD Ta:25°C | TEST:1.3% |
| 6 | PEAK LOAD | 720W/5s | I/P: 110 VDC O/P:601.2W Ta:25°C | TEST:OK |
| 7 | RIPPLE & NOISE (Max) | V1: 150mVp-p | I/P:110VDC O/P:FULL LOAD Ta:25°C | V1:42mVp-p |
| | | high frequency : | low frequency : | |
| | | | | |
| 8 | SET UP TIME(Max) | 110VDC/500ms | I/P:110 VDC O/P:FULL LOAD Ta:25°C | 104ms |
| | | INPUT=110VDC @ FULL LOAD CH1 : Output Voltage CH2 : DC Input Voltage | | |

| | | | | |
|---|-------------------------|--------------------------------------|--|--|
| 9 | RISE TIME (Max) | 110VDC/ 60ms | I/P: 110VDC O/P:FULL LOAD Ta:25°C | 18ms |
| <p>INPUT=110VDC @ FULL LOAD CH1 : Output Voltage CH2 : DC Input Voltage</p>  | | | | |
| 10 | HOLD UP TIME (TYP) | 110VDC/ 16ms 110VDC/ 24ms@70%LOAD | I/P: 110VDC O/P:FULL LOAD/70%LOAD Ta:25°C | 110VDC/17.8ms@FULL LOAD 110VDC/25.8ms@70%LOAD |
| <p>INPUT=110VDC @ FULL LOAD CH1 : Output Voltage CH2 : DC Input Voltage</p>  <p>INPUT=110VDC @ 70% LOAD CH1 : Output Voltage CH2 : DC Input Voltage</p>  | | | | |
| 11 | DYNAMIC LOAD | V1:480mVp-p | I/P: 110VDC O/P: (1)FULL /50% LOAD 50%DUTY/120HZ (2)FULL /50% LOAD 50%DUTY/ 1KHZ Ta:25°C | 650mVp-p/120HZ 520mVp-p/1KHZ |
| <p>FULL /50% LOAD 50%DUTY/120HZ</p>  <p>FULL /50% LOAD 50%DUTY/ 1KHZ</p>  | | | | |
| 12 | TRANSIENT RECOVERY TIME | V1:1200mVp-p | I/P: 110VDC O/P:40% LOAD CHANGE 50%DUTY/120HZ | 530mVp-p |

INPUT FUNCTION TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|---|---|---------------------------------|----------|------------|------------|-------------|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|------|----|----|----|
| 1 | INPUT VOLTAGE RANGE | 67.2VDC~154VDC 66VDC~67.2VD \geq 100ms | I/P:TESTING O/P:FULL LOAD Ta:25°C | (1) 63.7V~154V (2) TEST : OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | I/P: LOW-LINE-0.2=67V HIGH-LINE+3V=157V O/P:FULL/MIN LOAD (PLEASE CHECK DERATING CURVE) ON: 30 Sec . OFF: 30 Sec 10MIN (POWER ON/OFF NO DAMAGE) | TEST : OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | INPUT CURRENT(TYP) | 110VDC/5 A | I/P: 110VDC O/P:FULL LOAD Ta:25°C | I=4.66A/110VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | EFFICIENCY(TYP) | 93% | I/P:110VDC O/P:FULL LOAD Ta:25°C | 93.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>EFFICIENCY vs LOAD</p> <table border="1"> <caption>Efficiency vs Load Data</caption> <thead> <tr> <th>LOAD (%)</th> <th>110VDC (%)</th> <th>154VDC (%)</th> <th>86.4VDC (%)</th> </tr> </thead> <tbody> <tr><td>10%</td><td>85</td><td>80</td><td>86</td></tr> <tr><td>20%</td><td>90</td><td>86</td><td>91</td></tr> <tr><td>30%</td><td>92</td><td>89</td><td>92</td></tr> <tr><td>40%</td><td>93</td><td>90</td><td>93</td></tr> <tr><td>50%</td><td>93</td><td>91</td><td>93</td></tr> <tr><td>60%</td><td>93</td><td>92</td><td>93</td></tr> <tr><td>70%</td><td>93</td><td>92</td><td>93</td></tr> <tr><td>80%</td><td>93</td><td>92</td><td>93</td></tr> <tr><td>90%</td><td>93</td><td>92</td><td>93</td></tr> <tr><td>100%</td><td>93</td><td>92</td><td>93</td></tr> </tbody> </table> | | | | | LOAD (%) | 110VDC (%) | 154VDC (%) | 86.4VDC (%) | 10% | 85 | 80 | 86 | 20% | 90 | 86 | 91 | 30% | 92 | 89 | 92 | 40% | 93 | 90 | 93 | 50% | 93 | 91 | 93 | 60% | 93 | 92 | 93 | 70% | 93 | 92 | 93 | 80% | 93 | 92 | 93 | 90% | 93 | 92 | 93 | 100% | 93 | 92 | 93 |
| LOAD (%) | 110VDC (%) | 154VDC (%) | 86.4VDC (%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10% | 85 | 80 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20% | 90 | 86 | 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30% | 92 | 89 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40% | 93 | 90 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50% | 93 | 91 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60% | 93 | 92 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70% | 93 | 92 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80% | 93 | 92 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90% | 93 | 92 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100% | 93 | 92 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | INRUSH CURRENT(TYP) | 110VDC/30 A COLD START | I/P: 110VDC O/P:FULL LOAD Ta:25°C | 19.8A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>INPUT=110VDC @ FULL LOAD CH4 : Input current</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | INTERRUPTION OF VOLTAGE SUPPLY | COMPLY WITH S2 LEVEL (10ms) | I/P: 110VDC O/P:FULL LOAD Ta:25°C | 17.4ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



PROTECTION FUNCTION TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT |
|----|--------------------------------|---|---|--|
| 1 | OVER LOAD PROTECTION | 105%~ 135 %RATED OUTPUT POWER PEAK LOAD:150%LOAD | I/P: 86.4VDC I/P: 110VDC I/P: 154VDC O/P: TESTING PEAK LOAD (5S) Ta:25°C | 118.9%/86.4VDC 118.6%/110 VDC 118.7%/154 VDC PROTECTION TYPE : Normally works within 150% rated output power for more than 5 seconds and then constant current protection 105%~135% rated output power with auto-recovery. |
| 2 | OVER VOLTAGE PROTECTION | CH:57.6V~65V | I/P:67.2VDC I/P: 110VDC I/P:154VDC O/P: MIN LOAD Ta:25°C | 62.3V/67.2VDC 62.3V/110VDC 62.3V/154VDC PROTECTION TYPE : Shut down O/P voltage, re-power on to recover |
| 3 | OVER TEMPERATURE PROTECTION | SPEC: NO DAMAGE | I/P: 154 VDC O/P: FULL LOAD Ta:25°C | O.T.P. Active PROTECTION TYPE : Shut down O/P voltage, re-power on to recover |
| 4 | SHORT PROTECTION | SHORT EVERY OUTPUT 1 HOUR NO DAMAGE | I/P: 154 VDC O/P: FULL LOAD Ta:25°C | NO DAMAGE PROTECTION TYPE : Constant current limiting with auto-recovery recovers automatically after fault condition is removed |
| 6. | INPUT REVERSE | POWER OK | I/P: 154 VDC O/P: FULL LOAD Ta:25°C | NO DAMAGE |
| 7 | INPUT UNDER VOLTAGE PROTECTION | 110 VIN (C-TYPE) : POWER ON >=67.2V POWER OFF <=65V | I/P: TESTING O/P: FULL LOAD Ta:25°C | POWER ON >=63.59V POWER OFF <=54.56V |

CONTROL FUNCTION TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT |
|----|-----------------------|---|--|-----------|
| 1 | REMOTE ON/OFF CONTROL | I/P: 110VDC O/P: FULL LOAD Ta:25°C Test Result : | | |
| | | Remote ON-OFF (TB1 PIN2,4) | Power Supply Status | |
| | | Open or 4~10VDC | ON 5.3VDC | |
| | | Short or 0~0.8VDC | OFF 0.82VDC | |
| 2 | DC OK CONTACT RATINGS | 30VDC/1A RESISTIVE LOAD | I/P: 110VDC O/P: FULL LOAD Ta:25°C | TEST : OK |

COMPONENT STRESS TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT |
|----|--|--|---|--|
| 1 | PWM Transistor (D to S) or (C to E) Peak Voltage | Q 8/Q19 Rated : 26 A/ 400 V Q12/Q17 Rated : 26 A/ 400 V | DC ON/OFF I/P: High-Line +3V =157V VDS: O/P: (1) Full Load (2) Output Short | Q8 Q19 VDS: VDS: (1) 219V (1) 218V (2) 320V (2) 319V (3) 244V (3) 241V |



| | | | | | |
|---|--|---|--|--|--|
| | | | <p>(3)Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (4)Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (5)Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (6)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load. Ta:25°C</p> | <p>(4) 242V (5) 242V (6) 258V (7) 266V</p> <p>Q12 VDS: (1) 223V (2) 261V (3) 239V (4) 235V (5) 237V (6) 247V (7) 267V</p> | <p>(4) 237V (5) 237V (6) 251V (7) 264V</p> <p>Q17 VDS: (1) 225V (2) 227V (3) 237V (4) 234V (5) 235V (6) 253V (7) 269V</p> |
| 2 | Clamp MOSFET (D to S) or (C to E) Peak Voltage | Q20/Q4 Rated : 26 A/ 400 V | <p>DC ON/OFF I/P:High-Line +3V =157V VDS: O/P: (1)Full Load (2)Output Short (3)Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (4)Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (5)Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (6)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load. Ta:25°C</p> | <p>Q20 VDS: (1) 200V (2) 246V (3) 230V (4) 228V (5) 224V (6) 240V (7) 253V</p> | <p>Q4 VDS: (1) 200V (2) 246V (3) 240V (4) 240V (5) 238V (6) 258V (7) 274V</p> |
| 3 | Diode PeakVoltage | <p>Q101/Q105 Rated : 10 A/ 400 V Q200/Q203Rated : 10 A/ 400 V</p> | <p>DC ON/OFF I/P:High-Line +3V =157 V VOmax: O/P: (1)Full Load (2)Output Short (3)Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (4)Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (5)Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (6)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load. (8).NO LOAD VO: O/P: (1)Full Load Ta:25°C</p> | <p>Q101: VOmax: VDS: (1) 290V (2) 268V (3) 337V (4) 333V (5) 333V (6) 337V (7) 317V (8) 190V VO: (1) 223V Q203: VOmax: VDS: (1) 372V (2) 376V (3) 376V (4) 372V (5) 372V (6) 372V (7) 376V (8) 335V VO: (1) 368V</p> | <p>Q200: VOmax: VDS: (1) 231V (2) 263V (3) 285V (4) 320V (5) 293V (6) 316V (7) 173V (8) 144V VO: (1) 155V Q105: VOmax: VDS: (1) 376V (2) 380V (3) 380V (4) 376V (5) 376V (6) 376V (7) 380V (8) 356V VO: (1) 372V</p> |



| | | | | | |
|---|-------------------------|--|--|---|---|
| 4 | Input Capacitor Voltage | C20/C28 Rated: 180μ/160V | I/P:High-Line +3V =157V O/P: (1)Full Load input on/off (2) Min load input on /Off (3)Full Load /Min load Change (4)Full load continue Ta:25°C | C20 (1) 157V (2) 156V (3) 156V (4) 153V | C28 (1) 157V (2) 157V (3) 157V (4) 153V |
| 5 | Control IC Voltage Test | PWM IC U1 Rated 7.5V~ 15 V/VCC O/PU100Rated -0.3V~ 32 V | DC ON/OFF I/P:High-Line +3V =157 V O/P(1)FULL LOAD (2) Output Short (3)O.L.P (4)O.V.P. (5)NO LOAD VRmin(LOW LINE) Ta:25°C | U1 /VCC1/VCC2 (1) 13. 76V/13. 52V (2) 14. 1V/13. 76V (3) 14. 1V/13. 60V (4) 14. 0V/13. 28V (5) 11. 59V/11. 51V | U100 (1) 11. 75V (2) 11. 91V (3) 12. 09V (4) 11. 59V (5) 11. 35V |

SAFETY TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT |
|----|---------------------|---|--|---|
| 1 | WITHSTANDVOLTAGE | I/P-O/P:4KVDC/min I/P-FG:2.5KVDC/min O/P-FG:0.71KVDC/min | I/P-O/P: 4.4KVDC/min I/P-FG: 3KVDC/min O/P-FG:0.852KVDC/min Ta:25°C | I/P-O/P:0.2uA I/P-FG:0.2uA O/P-FG:0.3uA NO DAMAGE |
| 2 | ISOLATIONRESISTANCE | I/P-O/P:500VDC>100MΩ I/P-FG: 500VDC>100MΩ O/P-FG:500VDC>100MΩ | I/P-O/P: 600 VDC I/P-FG: 600VDC O/P-FG: 600VDC Ta:25°C | I/P-O/P:9999MΩ I/P-FG:9999MΩ O/P-FG:9999MΩ NO DAMAGE |
| 3 | GROUNDINGCONTINUITY | FG(PE) TO CHASSIS OR TRACE < 100 mΩ | 40A / 2min Ta:25°C | 3mΩ |

E.M.C TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT |
|----|---|---|---|-------------------------------|
| 1 | RADIATION | EN55032 CLASS B | I/P: 110VDC O/P:FULL LOAD Ta:25°C | PASS Test by certified Lab |
| 2 | CONDUCTION | EN55032 CLASS A | I/P:110VDC O/P:FULL LOAD Ta:25°C | PASS Test by certified Lab |
| 3 | E.S.D | EN61000-4-2 ■INDUSTRY AIR: 8KV / Contact: 6KV | I/P: 110VDC O/P:FULL LOAD Ta:25°C | ■CRITERIA A □CRITERIA B |
| 4 | E.F.T | EN61000-4-4 ■INDUSTRY INPUT: 2KV | I/P:110VDC O/P:FULL LOAD Ta:25°C | ■CRITERIA A □CRITERIA B |
| 5 | SURGE | IEC61000-4-5 ■INDUSTRY L-N :1KV L,N-PE:2KV | I/P: 110VDC O/P:FULL LOAD Ta:25°C | ■CRITERIA A □CRITERIA B |
| 6 | Test by certified Lab & Test Report Prepare Any contradictions of the test results, please refer to the latest EMC test report | | | |

■ RELIABILITY TEST

ENVIRONMENT TEST

| NO | TEST ITEM | SPECIFICATION | TEST CONDITION | RESULT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------------------|---|---|--------|----------|--------------------------|-------------------------|---|------|--------|--------|---|-----|--------|--------|---|-----|--------|--------|---|----|--------|--------|---|-----|--------|--------|---|-----|--------|--------|---|----|--------|--------|---|----|--------|--------|---|------|--------|--------|----|----|--------|--------|----|----|--------|--------|----|------|--------|---------|----|----|--------|--------|----|------|--------|---------|----|------|--------|---------|----|------|--------|---------|----|------|--------|---------|----|------|--------|---------|----|------|--------|--------|----|------|--------|---------|----|-----|--------|--------|----|-------|--------|--------|----|------|--------|---------|----|------|--------|---------|----|------|--------|---------|----|------|--------|--------|----|-----|--------|--------|----|------|--------|--------|----|----|--------|--------|----|------|--------|---------|----|----|--------|--------|----|-----|--------|--------|----|----|--------|--------|----|-----|--------|--------|----|----|--------|--------|----|------|--------|---------|----|------|--------|---------|----|------|--------|--------|----|------|--------|---------|----|------|--------|--------|--|
| 1 | TEMPERATURE RISE TEST | MODEL : DDR-480D-12 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 110 VDC O/P : FULL LOAD Ta= 27.6 °C 2. HIGH AMBIENT BURN-IN : HRS I/P : 110 VDC O/P : FULL LOAD Ta= 55.7 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1"> <thead> <tr> <th>NO</th> <th>Position</th> <th>ROOM AMBIENT Ta= 27.6 °C</th> <th>HIGH AMBIENT Ta=55.7 °C</th> </tr> </thead> <tbody> <tr><td>1</td><td>ZNR1</td><td>41.1°C</td><td>72.9°C</td></tr> <tr><td>2</td><td>LF1</td><td>43.2°C</td><td>75.3°C</td></tr> <tr><td>3</td><td>LF2</td><td>47.1°C</td><td>79.4°C</td></tr> <tr><td>4</td><td>Q6</td><td>45.4°C</td><td>77.5°C</td></tr> <tr><td>5</td><td>C29</td><td>40.3°C</td><td>71.1°C</td></tr> <tr><td>6</td><td>LF3</td><td>44.2°C</td><td>75.8°C</td></tr> <tr><td>7</td><td>U1</td><td>46.5°C</td><td>78.2°C</td></tr> <tr><td>8</td><td>T7</td><td>47.0°C</td><td>78.7°C</td></tr> <tr><td>9</td><td>TSW1</td><td>63.6°C</td><td>97.2°C</td></tr> <tr><td>10</td><td>T3</td><td>49.2°C</td><td>81.0°C</td></tr> <tr><td>11</td><td>Q4</td><td>47.5°C</td><td>79.1°C</td></tr> <tr><td>12</td><td>Q204</td><td>69.3°C</td><td>101.4°C</td></tr> <tr><td>13</td><td>T2</td><td>64.3°C</td><td>97.6°C</td></tr> <tr><td>14</td><td>L200</td><td>74.3°C</td><td>107.5°C</td></tr> <tr><td>15</td><td>R217</td><td>66.6°C</td><td>101.9°C</td></tr> <tr><td>16</td><td>Q203</td><td>67.6°C</td><td>102.9°C</td></tr> <tr><td>17</td><td>Q200</td><td>72.3°C</td><td>106.4°C</td></tr> <tr><td>18</td><td>C204</td><td>71.2°C</td><td>104.1°C</td></tr> <tr><td>19</td><td>U100</td><td>58.8°C</td><td>90.9°C</td></tr> <tr><td>20</td><td>R202</td><td>67.6°C</td><td>102.1°C</td></tr> <tr><td>21</td><td>Q13</td><td>64.0°C</td><td>95.9°C</td></tr> <tr><td>22</td><td>ZD202</td><td>66.2°C</td><td>99.0°C</td></tr> <tr><td>23</td><td>R201</td><td>71.9°C</td><td>104.6°C</td></tr> <tr><td>24</td><td>U203</td><td>74.1°C</td><td>106.5°C</td></tr> <tr><td>25</td><td>D210</td><td>68.6°C</td><td>101.7°C</td></tr> <tr><td>26</td><td>U101</td><td>64.5°C</td><td>95.7°C</td></tr> <tr><td>27</td><td>LF4</td><td>44.6°C</td><td>76.6°C</td></tr> <tr><td>28</td><td>TSW3</td><td>62.6°C</td><td>96.2°C</td></tr> <tr><td>29</td><td>T8</td><td>46.9°C</td><td>79.3°C</td></tr> <tr><td>30</td><td>Q101</td><td>67.5°C</td><td>101.9°C</td></tr> <tr><td>31</td><td>T4</td><td>50.1°C</td><td>82.3°C</td></tr> <tr><td>32</td><td>Q20</td><td>48.9°C</td><td>81.7°C</td></tr> <tr><td>33</td><td>Q8</td><td>56.8°C</td><td>89.7°C</td></tr> <tr><td>34</td><td>Q19</td><td>59.4°C</td><td>92.8°C</td></tr> <tr><td>35</td><td>T1</td><td>63.5°C</td><td>97.0°C</td></tr> <tr><td>36</td><td>L101</td><td>75.1°C</td><td>108.6°C</td></tr> <tr><td>37</td><td>Q105</td><td>71.1°C</td><td>105.8°C</td></tr> <tr><td>38</td><td>C110</td><td>62.3°C</td><td>95.7°C</td></tr> <tr><td>39</td><td>U102</td><td>70.1°C</td><td>103.2°C</td></tr> <tr><td>40</td><td>Q102</td><td>66.5°C</td><td>99.5°C</td></tr> </tbody> </table> | NO | Position | ROOM AMBIENT Ta= 27.6 °C | HIGH AMBIENT Ta=55.7 °C | 1 | ZNR1 | 41.1°C | 72.9°C | 2 | LF1 | 43.2°C | 75.3°C | 3 | LF2 | 47.1°C | 79.4°C | 4 | Q6 | 45.4°C | 77.5°C | 5 | C29 | 40.3°C | 71.1°C | 6 | LF3 | 44.2°C | 75.8°C | 7 | U1 | 46.5°C | 78.2°C | 8 | T7 | 47.0°C | 78.7°C | 9 | TSW1 | 63.6°C | 97.2°C | 10 | T3 | 49.2°C | 81.0°C | 11 | Q4 | 47.5°C | 79.1°C | 12 | Q204 | 69.3°C | 101.4°C | 13 | T2 | 64.3°C | 97.6°C | 14 | L200 | 74.3°C | 107.5°C | 15 | R217 | 66.6°C | 101.9°C | 16 | Q203 | 67.6°C | 102.9°C | 17 | Q200 | 72.3°C | 106.4°C | 18 | C204 | 71.2°C | 104.1°C | 19 | U100 | 58.8°C | 90.9°C | 20 | R202 | 67.6°C | 102.1°C | 21 | Q13 | 64.0°C | 95.9°C | 22 | ZD202 | 66.2°C | 99.0°C | 23 | R201 | 71.9°C | 104.6°C | 24 | U203 | 74.1°C | 106.5°C | 25 | D210 | 68.6°C | 101.7°C | 26 | U101 | 64.5°C | 95.7°C | 27 | LF4 | 44.6°C | 76.6°C | 28 | TSW3 | 62.6°C | 96.2°C | 29 | T8 | 46.9°C | 79.3°C | 30 | Q101 | 67.5°C | 101.9°C | 31 | T4 | 50.1°C | 82.3°C | 32 | Q20 | 48.9°C | 81.7°C | 33 | Q8 | 56.8°C | 89.7°C | 34 | Q19 | 59.4°C | 92.8°C | 35 | T1 | 63.5°C | 97.0°C | 36 | L101 | 75.1°C | 108.6°C | 37 | Q105 | 71.1°C | 105.8°C | 38 | C110 | 62.3°C | 95.7°C | 39 | U102 | 70.1°C | 103.2°C | 40 | Q102 | 66.5°C | 99.5°C | |
| NO | Position | ROOM AMBIENT Ta= 27.6 °C | HIGH AMBIENT Ta=55.7 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ZNR1 | 41.1°C | 72.9°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | LF1 | 43.2°C | 75.3°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | LF2 | 47.1°C | 79.4°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Q6 | 45.4°C | 77.5°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | C29 | 40.3°C | 71.1°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | LF3 | 44.2°C | 75.8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | U1 | 46.5°C | 78.2°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | T7 | 47.0°C | 78.7°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | TSW1 | 63.6°C | 97.2°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | T3 | 49.2°C | 81.0°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Q4 | 47.5°C | 79.1°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Q204 | 69.3°C | 101.4°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | T2 | 64.3°C | 97.6°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | L200 | 74.3°C | 107.5°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | R217 | 66.6°C | 101.9°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Q203 | 67.6°C | 102.9°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Q200 | 72.3°C | 106.4°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | C204 | 71.2°C | 104.1°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | U100 | 58.8°C | 90.9°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | R202 | 67.6°C | 102.1°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Q13 | 64.0°C | 95.9°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | ZD202 | 66.2°C | 99.0°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | R201 | 71.9°C | 104.6°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | U203 | 74.1°C | 106.5°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | D210 | 68.6°C | 101.7°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | U101 | 64.5°C | 95.7°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | LF4 | 44.6°C | 76.6°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | TSW3 | 62.6°C | 96.2°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | T8 | 46.9°C | 79.3°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Q101 | 67.5°C | 101.9°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | T4 | 50.1°C | 82.3°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Q20 | 48.9°C | 81.7°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Q8 | 56.8°C | 89.7°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Q19 | 59.4°C | 92.8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | T1 | 63.5°C | 97.0°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | L101 | 75.1°C | 108.6°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Q105 | 71.1°C | 105.8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | C110 | 62.3°C | 95.7°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | U102 | 70.1°C | 103.2°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Q102 | 66.5°C | 99.5°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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|----|---|---|--|---|
| 2 | OVER LOAD BURN-IN TEST | NO DAMAGE 1 HOUR (MIN) | I/P : 110VDC O/P : 123LOAD Ta : 25°C | TEST : OK |
| 3 | LOW TEMPERATURE TURN ON TEST | TURN ON AFTER 2 HOUR | I/P : 67.2VDC /154VDC O/P : 100% LOAD Ta=-45°C | TEST : OK |
| 4 | HIGH HUMIDITY HIGH TEMPERATURE HIGH VOLTAGE TURN ON TEST | AFTER 12 HOURS IN CHAMBER ON CONTROL 55 °C /95 %R.H NO DAMAGE | I/P : 157VDC O/P : FULL LOAD Ta= 55°C HUMIDITY= 95 %R.H | TEST : OK |
| 5 | TEMPERATURE COEFFICIENT | ± 0.03%/°C (0-55°C) | I/P : 110VDC O/P : FULL LOAD | ± 0.0081%/°C (0-55°C) |
| 6 | STORAGE TEMPERATURE TEST | -40~85°C | 1. Thermal shock Temperature : -45°C~+90°C 2. Temperature change rate : 25°C / MIN 3. Dwell time low and high temperature : 30 MIN/EACH 4. Total test cycle : 10 CYCLE 5. Input/Output condition : STATIC | |
| 7 | THERMAL SHOCK TEST | -40~55°C | 1. Thermal shock Temperature : -45°C~+60°C 2. Temperature change rate : 25°C / MIN 3. Dwell time low and high temperature : 30 MIN/EACH 4. Total test cycle : 16 CYCLE 5. Input/Output condition : 15cycle: 110 VDC / FULL LOAD AC ON 3sec/AC OFF 1sec TEST 1cycle: 110 VDC / FULL LOAD Burn In Test | |
| 8 | VIBRATION TEST | 10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes | 1 Carton & 1 Set (1) Waveform : Sine Wave (2) Frequency : 10~500Hz (3) Sweep Time : 10min/sweep cycle (4) Acceleration : 6G (5) Test Time : 180min in each axis (X.Y.Z) (6) Ta : 25°C | |
| 9 | CAPACITOR LIFE CYCLE | SUPPOSE C204 IS THE MOST CRITICAL COMPONENT (1) I/P : 110VDC O/P : FULL LOAD Ta= 25 °C LIFE TIME (2) I/P : 110VDC O/P : FULL LOAD Ta= 55 °C LIFE TIME (3) I/P : 110VDC O/P : 75% LOAD Ta= 55 °C LIFE TIME (4) I/P : 110VDC O/P : 50% LOAD Ta= 55 °C LIFE TIME | | (1) 489631.3HRS (2) 43881.8HRS (3) 118499HRS (4) 232167.2HRS |
| 10 | MTBF | Conducted by Parts Stress Analysis Prediction 280.0 K hrs min. Telcordia SR-332 (Bellcore) ; 101.7K hrs min. MIL-HDBK-217F (25°C) | | |
| 11 | Ongoing Reliability Test | I/P : 110VDC O/P : FULL LOAD TA=50°C Demonstration Mean Time Between Failure : 30,000 hours | | |

| TEST RESULT | TESTER | REVIEW | APPROVAL |
|-------------|--------|--------|----------|
| PASS | LIUTT | | Wangdz |

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