



Test Report: OWA-200U-54

200W Single Output Moistureproof Adaptor

■ 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

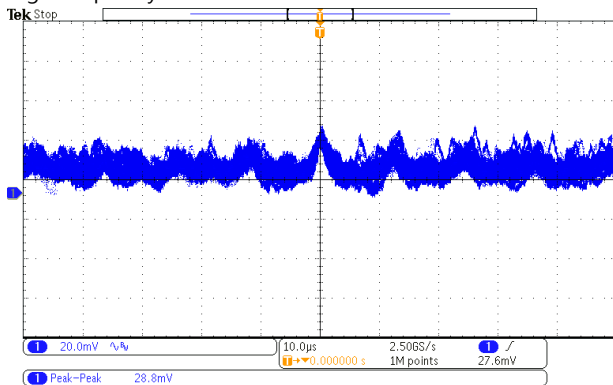
ENVIRONMENT TEST

DESIGN VERIFY TEST

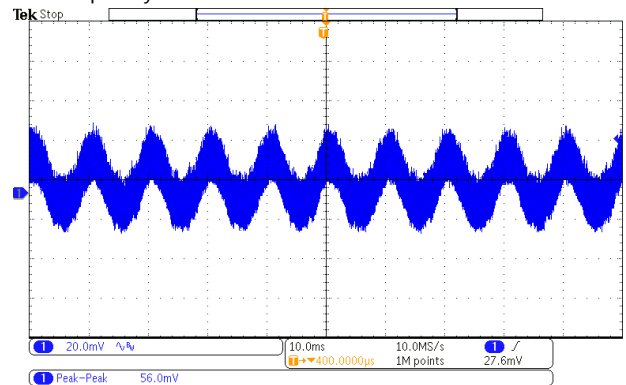
OUTPUT FUNCTION TEST

N O	TEST ITEM	SPECIFICATIO N	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE TOLERANCE	V1: -3% ~ 3% (Max)	I/P:110VAC /264AC O/P:FULL~MIN LOAD Ta:25°C	V1: 0.92 %~ 1.1%
2	LINE REGULATION	V1: -0.5% ~0.5% (Max)	I/P:110VAC~264AC O/P:FULL LOAD Ta:25°C	V1: 0%~ 0%
3	LOAD REGULATION	V1: -3% ~ 3% (Max)	I/P: 230 VAC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.16%~0.16 %
4	OVER/UNDERSHOOT TEST	< +5%	I/P: 230 VAC O/P:FULL LOAD Ta:25°C	TEST: 3.75%
5	RIPPLE & NOISE	V1: 250mVp-p (Max)	I/P: 230 VAC O/P:FULL LOAD Ta:25°C	V1: 56mVp-p / 100% load

high frequency :



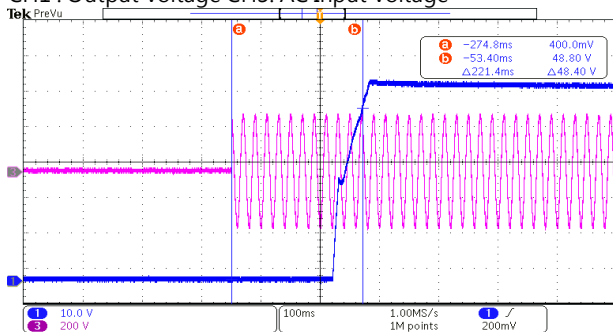
low frequency :



6	SET UP TIME (Max)	230VAC/500ms 115VAC/500ms	I/P: 230 VAC I/P: 115 VAC O/P:FULL LOAD Ta:25°C 使用 LEDH MODE TEST	230VAC/ 221.4 ms 115 VAC/ 395.2ms
---	-------------------	------------------------------	---	--------------------------------------

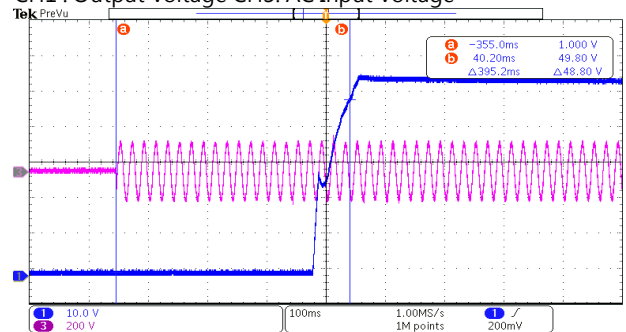
INPUT=230VAC/50HZ @ FULL LOAD

CH1 : Output Voltage CH3: AC Input Voltage

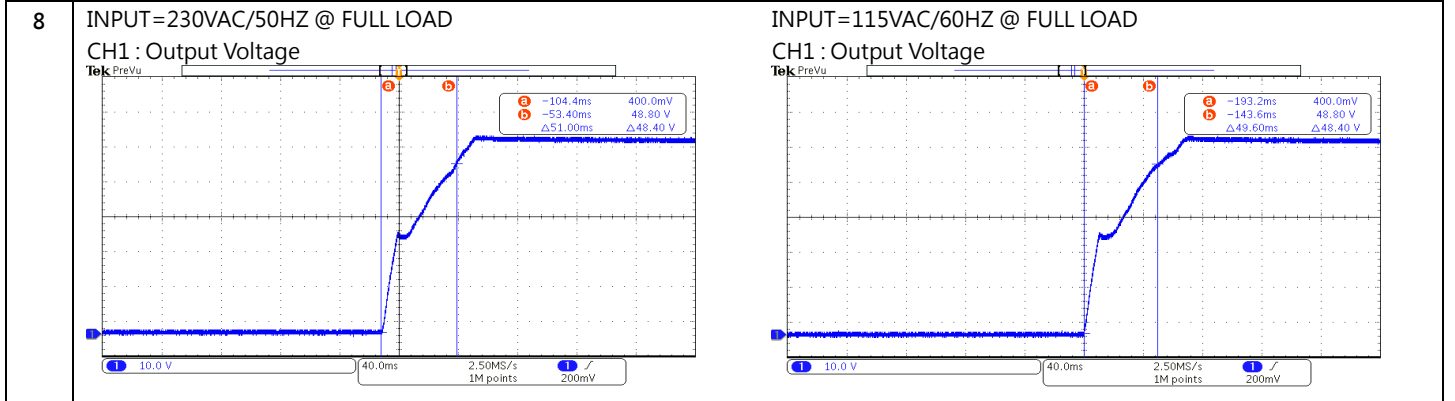


INPUT=115VAC/60HZ @ FULL LOAD

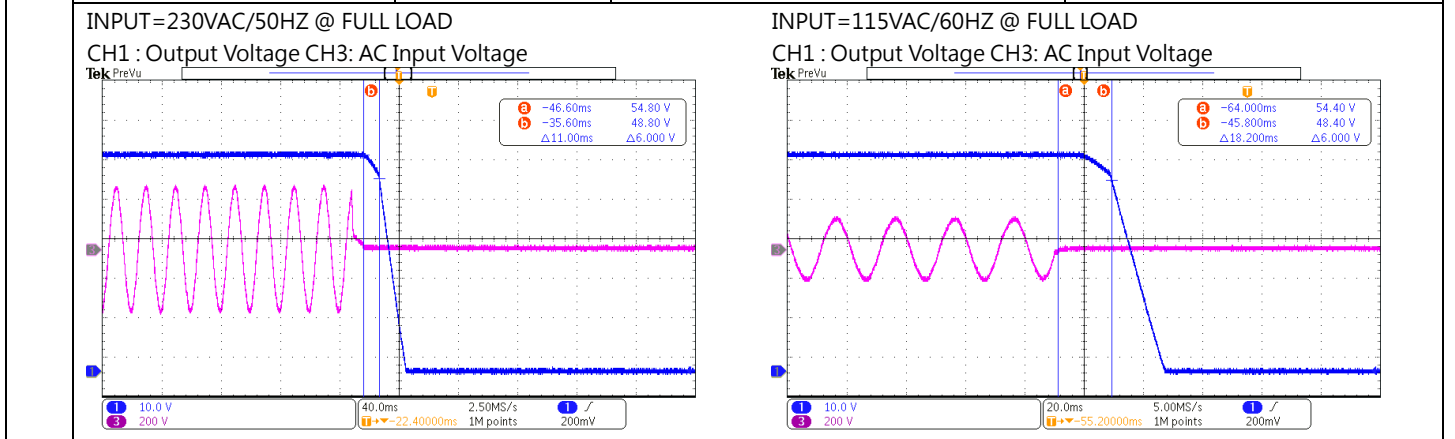
CH1 : Output Voltage CH3: AC Input Voltage



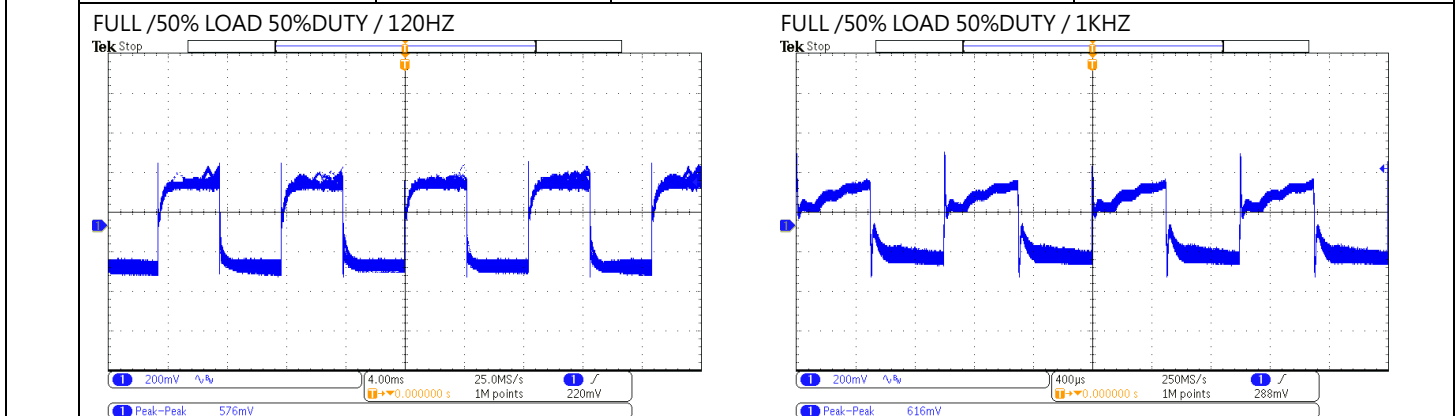
7	RISE TIME (Max)	230VAC/80ms 115VAC/80ms	I/P: 230 VAC I/P: 115 VAC O/P:FULL LOAD Ta:25°C 使用 LEDH MODE TEST	230VAC/ 51 ms 115 VAC/ 49.6 ms
---	-----------------	----------------------------	---	-----------------------------------



9	HOLD UP TIME (Typ)	230VAC/10ms 115VAC/10ms	I/P: 230 VAC I/P: 115 VAC O/P:FULL LOAD Ta:25°C 使用 LEDH MODE TEST	230VAC/11 ms 115 VAC/ 18.2ms
---	--------------------	----------------------------	---	---------------------------------



10	DYNAMIC LOAD	V1: 5400mVp-p	I/P: 230VAC O/P: (1)FULL /50% LOAD 50%DUTY / 120HZ (2)FULL /50% LOAD 50%DUTY / 1KHZ Ta:25°C	576mVp-p FULL /50% LOAD 50%DUTY / 120HZ 616mVp-p FULL /50% LOAD 50%DUTY / 1KHZ
----	--------------	---------------	---	---



	<p>P.F vs LOAD</p> <table border="1"> <caption>P.F vs LOAD Data</caption> <thead> <tr> <th>LOAD (%)</th> <th>115VAC PF</th> <th>230VAC PF</th> </tr> </thead> <tbody> <tr><td>10%</td><td>0.92</td><td>0.65</td></tr> <tr><td>20%</td><td>0.95</td><td>0.83</td></tr> <tr><td>30%</td><td>0.97</td><td>0.92</td></tr> <tr><td>40%</td><td>0.98</td><td>0.95</td></tr> <tr><td>50%</td><td>0.99</td><td>0.96</td></tr> <tr><td>60%</td><td>0.99</td><td>0.97</td></tr> <tr><td>70%</td><td>0.99</td><td>0.97</td></tr> <tr><td>80%</td><td>0.99</td><td>0.98</td></tr> <tr><td>90%</td><td>0.99</td><td>0.98</td></tr> <tr><td>100%</td><td>0.99</td><td>0.98</td></tr> </tbody> </table>			LOAD (%)	115VAC PF	230VAC PF	10%	0.92	0.65	20%	0.95	0.83	30%	0.97	0.92	40%	0.98	0.95	50%	0.99	0.96	60%	0.99	0.97	70%	0.99	0.97	80%	0.99	0.98	90%	0.99	0.98	100%	0.99	0.98	
LOAD (%)	115VAC PF	230VAC PF																																			
10%	0.92	0.65																																			
20%	0.95	0.83																																			
30%	0.97	0.92																																			
40%	0.98	0.95																																			
50%	0.99	0.96																																			
60%	0.99	0.97																																			
70%	0.99	0.97																																			
80%	0.99	0.98																																			
90%	0.99	0.98																																			
100%	0.99	0.98																																			
5	<p>EFFICIENCY (TYP)</p>	<p>91.5%/115VAC 94%/230VAC</p>	<p>I/P: 115/ 230VAC O/P: 100%Load Ta:25°C</p>	<p>94.71%/230VAC 91.91%/115VAC</p>																																	
	<p>EFFICIENCY vs LOAD</p> <table border="1"> <caption>EFFICIENCY vs LOAD Data</caption> <thead> <tr> <th>LOAD (%)</th> <th>115VAC Efficiency (%)</th> <th>230VAC Efficiency (%)</th> </tr> </thead> <tbody> <tr><td>10%</td><td>85</td><td>88</td></tr> <tr><td>20%</td><td>91</td><td>93</td></tr> <tr><td>30%</td><td>92</td><td>94</td></tr> <tr><td>40%</td><td>93</td><td>94</td></tr> <tr><td>50%</td><td>93</td><td>94</td></tr> <tr><td>60%</td><td>93</td><td>94</td></tr> <tr><td>70%</td><td>93</td><td>94</td></tr> <tr><td>80%</td><td>93</td><td>94</td></tr> <tr><td>90%</td><td>93</td><td>94</td></tr> <tr><td>100%</td><td>93</td><td>94</td></tr> </tbody> </table>			LOAD (%)	115VAC Efficiency (%)	230VAC Efficiency (%)	10%	85	88	20%	91	93	30%	92	94	40%	93	94	50%	93	94	60%	93	94	70%	93	94	80%	93	94	90%	93	94	100%	93	94	
LOAD (%)	115VAC Efficiency (%)	230VAC Efficiency (%)																																			
10%	85	88																																			
20%	91	93																																			
30%	92	94																																			
40%	93	94																																			
50%	93	94																																			
60%	93	94																																			
70%	93	94																																			
80%	93	94																																			
90%	93	94																																			
100%	93	94																																			
6	<p>INRUSH CURRENT (TYP)</p>	<p>230 V/ 180A 115V/ 90A (twidth=450us measured at 50% Ipeak) COLD START at 230VAC (twidth=300 us measured at 50% Ipeak) COLD START at 115VAC</p>	<p>I/P: 230 VAC 115VAC O/P:FULL LOAD Ta:25°C</p>	<p>I = 104 A/ 230VAC T50=408us I = 72.5A/ 115VAC T50=232us</p>																																	
	<p>INPUT=230VAC/50HZ @ FULL LOAD CH1 : AC Input Voltage CH2 : Input current</p>		<p>INPUT=115VAC/ 60HZ @ FULL LOAD CH1 : AC Input Voltage CH2 : Input current</p>																																		

ROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER CURRENT PROTECTION	105 %~150%	I/P: 267VAC I/P: 230VAC I/P: 110VAC O/P:TESTING Ta:25°C	127.2%/ 267VAC 126.6%/ 230VAC 126.8%/110VAC PROTECTION TYPE : Hiccup mode, recovers automatically after fault condition is removed
2	OVER VOLTAGE PROTECTION	V1:59 V~ 70 V	I/P: 267VAC I/P: 230VAC I/P: 110VAC O/P:TESTING Ta:25°C	63.8V/230VAC 64.4V/180VAC 64.2V/267VAC PROTECTION TYPE : Shut down o/p voltage, re-power on to recover
3	OVER TEMPERATURE PROTECTION	NO DAMAGE	I/P: 267 VAC I/P: 110 VAC O/P:FULL LOAD	O.T.P. Active PROTECTION TYPE : TYPE : Shut down o/p voltage, re-power on to recover
4	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P: 267VAC I/P: 110 VAC O/P: FULL LOAD Ta:25°C	NO DAMAGE PROTECTION TYPE : Hiccup mode, recovers automatically after fault condition is removed

COMPONENT STRESS TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	PWM Transistor (D to S) or (C to E) Peak Voltage	Q 73 Rated 11A/600V	AC ON/OFF I/P:High-Line +3V =267V 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.	VDS: (1) 466V (2) 478V (3) 470V (4) 466V (5) 466V (6) 470V (7) 486V

			<p>I/P:Low-Line -3V = 97V 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>VDS: (1) 470V (2) 482V (3) 470V (4) 466V (5) 470V (6) 470V (7) 474V</p>
2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q 1 Rated 26A/600V	<p>I/P:High-Line +3V =267 V AC ON/OFF 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.</p> <p>I/P:Low-Line -3V =97V AC ON/OFF 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>VDS: (1) 501V (2) 456V (3) 499V (4) 503V (5) 508V (6) 503V (7) 462V</p> <p>VDS: (1) 501V (2) 446V (3) 503V (4) 499V (5) 503V (6) 491V (7) 468V</p>
3	P.F.C DIODE	D5 Rated 9 A/ 600V	<p>I/P:High-Line +3V =267 V AC ON/OFF O/P: (1)Full Load (2)Output Short (3)Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (4)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz</p>	<p>(1) 491V (2) 455V (3) 438V (4) 436V</p>

			<p>I/P:Low-Line -3V = 97V AC ON/OFF O/P: (1)Full Load (1) 431V (2)Output Short (2) 428V (3)Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (3) 431V (4)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (4) 427V Ta:25°C</p>	
4	Diode Peak Voltage	<p>Q101 Rated 33 A/ 150V</p> <p>Q100 Rated 33A/ 150V</p>	<p>AC ON/OFF I/P:High-Line +3V =267 V O/P: (1)Full Load (1) 126V (2)Output Short (2) 14V (3)Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (3) 126V (4)Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (4) 125V (5)Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (5) 125V (6)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (6) 125V (7)0%→400% Load. (7) 12.4V (8).NO LOAD (8) 123V Ta:25°C</p>	<p>Q101: VDS: (1) 126V (2) 14V (3) 126V (4) 125V (5) 125V (6) 125V (7) 12.4V (8) 123V</p> <p>Q100: VDS: (1) 122V (2) 12.4V (3) 124V (4) 123V (5) 124V (6) 122V (7) 14.8V (8) 124V</p>
5	Input Capacitor Voltage	C5 Rated: 100μ / 450V	<p>I/P:High-Line +3V =267V O/P: (1)Full Load input on/off (1) 435V (2) Min load input on /Off (2) 416V (3)Full Load /Min load Change (3) 431V (4)Full load continue (4) 421V Ta:25°C</p>	
6	Control IC Voltage Test	<p>U2 Rated -0.3V~20V</p> <p>U1 Rated -0.3V ~ 35 V</p>	<p>AC ON/OFF I/P:High-Line +3V =267 V O/P(1)FULL LOAD (1) 16.7 (2) Output Short (2) 16.7 (3)O.L.P (3) 17.1 (4)O.V.P. (4) 15.9 (5)NO LOAD VRmin(Low LINE) (5) 16.7 Ta:25°C</p>	<p>U1: (1) 16.7 (2) 16.7 (3) 17.1 (4) 15.9 (5) 16.7 (6)</p>

				U2: (1) 16.5V (2) 16.5V (3) 16.6V (4) 16.7V (7) 15.6V
--	--	--	--	--

SAFETY & EMC TEST

SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	WITHSTAND VOLTAGE	I/P-O/P: 4.2KVAC/min	I/P-O/P: 4. 5 KVAC/min Ta:25°C	I/P-O/P: 1.864mA NO DAMAGE
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ	I/P-O/P: 500 VDC Ta:25°C	I/P-O/P:9999MΩ NO DAMAGE
3	LEAKAGE CURRENT	<0.25mA / 240VAC <0.125mA /120VAC	I/P: 120/240 VAC O/P:Min LOAD Ta:25°C	L-FG: 0.037mA N-FG:0.042mA

E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	CONDUCTION	FCC Part15 CLASS B	I/P : 230 VAC (50HZ) O/P : FULL LOAD Ta : 25°C	PASS Test by certified Lab
2	RADIATION	FCC Part15 CLASS B	I/P : 230 VAC (50HZ) O/P : FULL LOAD Ta : 25°C	PASS Test by certified Lab
3	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 : OWA-200U-54 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta=27 °C 2. HIGH AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta=49 °C																																																																																																																										
				<table border="1"> <thead> <tr> <th>NO</th> <th>Position</th> <th>ROOM AMBIENT Ta=27 °C</th> <th>HIGH AMBIENT Ta=49 °C</th> </tr> </thead> <tbody> <tr><td>1</td><td>RT1</td><td>73.0°C</td><td>89.2°C</td></tr> <tr><td>2</td><td>ZNR1</td><td>53.9°C</td><td>74.9°C</td></tr> <tr><td>3</td><td>U3</td><td>56.2°C</td><td>77.8°C</td></tr> <tr><td>4</td><td>C1</td><td>59.4°C</td><td>79.4°C</td></tr> <tr><td>5</td><td>LF2</td><td>59.8°C</td><td>82.3°C</td></tr> <tr><td>6</td><td>C6</td><td>59.1°C</td><td>81.8°C</td></tr> <tr><td>7</td><td>R18</td><td>59.7°C</td><td>82.6°C</td></tr> <tr><td>8</td><td>BD1</td><td>61.2°C</td><td>83.7°C</td></tr> <tr><td>9</td><td>L2</td><td>58.3°C</td><td>81.3°C</td></tr> <tr><td>10</td><td>L2core</td><td>58.7°C</td><td>81.7°C</td></tr> <tr><td>11</td><td>Q1</td><td>59.9°C</td><td>82.7°C</td></tr> <tr><td>12</td><td>D5</td><td>65.4°C</td><td>88.1°C</td></tr> <tr><td>13</td><td>U1</td><td>58.4°C</td><td>81.0°C</td></tr> <tr><td>14</td><td>U2</td><td>60.7°C</td><td>84.1°C</td></tr> <tr><td>15</td><td>Q71</td><td>60.4°C</td><td>83.8°C</td></tr> <tr><td>16</td><td>Q72</td><td>60.8°C</td><td>84.5°C</td></tr> <tr><td>17</td><td>C35</td><td>56.4°C</td><td>80.2°C</td></tr> <tr><td>18</td><td>T1</td><td>66.1°C</td><td>90.9°C</td></tr> <tr><td>19</td><td>C5</td><td>58.0°C</td><td>81.2°C</td></tr> <tr><td>20</td><td>U101</td><td>60.0°C</td><td>84.3°C</td></tr> <tr><td>21</td><td>Q100</td><td>51.1°C</td><td>75.8°C</td></tr> <tr><td>22</td><td>Q101</td><td>50.7°C</td><td>75.1°C</td></tr> <tr><td>23</td><td>C115</td><td>47.3°C</td><td>71.5°C</td></tr> <tr><td>24</td><td>C105</td><td>46.4°C</td><td>70.8°C</td></tr> <tr><td>25</td><td>C106</td><td>46.6°C</td><td>71.2°C</td></tr> <tr><td>26</td><td>C107</td><td>42.6°C</td><td>66.6°C</td></tr> <tr><td>27</td><td>RTH5</td><td>58.1°C</td><td>81.6°C</td></tr> <tr><td>28</td><td>LF100</td><td>39.4°C</td><td>63.2°C</td></tr> <tr><td>29</td><td>TC</td><td>53.3°C</td><td>74.8°C</td></tr> </tbody> </table>	NO	Position	ROOM AMBIENT Ta=27 °C	HIGH AMBIENT Ta=49 °C	1	RT1	73.0°C	89.2°C	2	ZNR1	53.9°C	74.9°C	3	U3	56.2°C	77.8°C	4	C1	59.4°C	79.4°C	5	LF2	59.8°C	82.3°C	6	C6	59.1°C	81.8°C	7	R18	59.7°C	82.6°C	8	BD1	61.2°C	83.7°C	9	L2	58.3°C	81.3°C	10	L2core	58.7°C	81.7°C	11	Q1	59.9°C	82.7°C	12	D5	65.4°C	88.1°C	13	U1	58.4°C	81.0°C	14	U2	60.7°C	84.1°C	15	Q71	60.4°C	83.8°C	16	Q72	60.8°C	84.5°C	17	C35	56.4°C	80.2°C	18	T1	66.1°C	90.9°C	19	C5	58.0°C	81.2°C	20	U101	60.0°C	84.3°C	21	Q100	51.1°C	75.8°C	22	Q101	50.7°C	75.1°C	23	C115	47.3°C	71.5°C	24	C105	46.4°C	70.8°C	25	C106	46.6°C	71.2°C	26	C107	42.6°C	66.6°C	27	RTH5	58.1°C	81.6°C	28	LF100	39.4°C	63.2°C	29	TC	53.3°C	74.8°C
NO	Position	ROOM AMBIENT Ta=27 °C	HIGH AMBIENT Ta=49 °C																																																																																																																									
1	RT1	73.0°C	89.2°C																																																																																																																									
2	ZNR1	53.9°C	74.9°C																																																																																																																									
3	U3	56.2°C	77.8°C																																																																																																																									
4	C1	59.4°C	79.4°C																																																																																																																									
5	LF2	59.8°C	82.3°C																																																																																																																									
6	C6	59.1°C	81.8°C																																																																																																																									
7	R18	59.7°C	82.6°C																																																																																																																									
8	BD1	61.2°C	83.7°C																																																																																																																									
9	L2	58.3°C	81.3°C																																																																																																																									
10	L2core	58.7°C	81.7°C																																																																																																																									
11	Q1	59.9°C	82.7°C																																																																																																																									
12	D5	65.4°C	88.1°C																																																																																																																									
13	U1	58.4°C	81.0°C																																																																																																																									
14	U2	60.7°C	84.1°C																																																																																																																									
15	Q71	60.4°C	83.8°C																																																																																																																									
16	Q72	60.8°C	84.5°C																																																																																																																									
17	C35	56.4°C	80.2°C																																																																																																																									
18	T1	66.1°C	90.9°C																																																																																																																									
19	C5	58.0°C	81.2°C																																																																																																																									
20	U101	60.0°C	84.3°C																																																																																																																									
21	Q100	51.1°C	75.8°C																																																																																																																									
22	Q101	50.7°C	75.1°C																																																																																																																									
23	C115	47.3°C	71.5°C																																																																																																																									
24	C105	46.4°C	70.8°C																																																																																																																									
25	C106	46.6°C	71.2°C																																																																																																																									
26	C107	42.6°C	66.6°C																																																																																																																									
27	RTH5	58.1°C	81.6°C																																																																																																																									
28	LF100	39.4°C	63.2°C																																																																																																																									
29	TC	53.3°C	74.8°C																																																																																																																									
2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)	I/P : 230 VAC O/P : 126 % LOAD Ta : 25°C	TEST : OK																																																																																																																								
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR	I/P : 230VAC/110VAC 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 45 °C NO DAMAGE	I/P : 264VAC O/P : FULL LOAD Ta= 45 °C HUMIDITY= 95 %R.H	TEST : OK
5	TEMPERATURE COEFFICIENT	+ 0.03 %/(0°C~50°C)	I/P : 230 VAC O/P : FULL LOAD	+ 0.001 %/°C(0~50°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 : 10CYCLE 5. Input/Output condition : STATIC	
7	THERMAL SHOCK TEST	-40~45°C	1. Thermal shock Temperature : -45°C~ +50°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:230V/ FULL LOAD AC ON 3sec/AC OFF 1sec TEST 1cycle:230V/ 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 : 12min/sweep cycle (4) Acceleration : 6G (5) Test Time : 180min in each axis (X.Y.Z) (6) Ta : 25°C	
9	CAPACITOR LIFE CYCLE	SUPPOSE C105 IS THE MOST CRITICAL COMPONENT (1) I/P : 230VAC O/P : FULL LOAD Ta=25 °C LIFE TIME (2) I/P : 230VAC O/P : FULL LOAD Ta=45 °C LIFE TIME (3) I/P : 230VAC O/P : 75% LOAD Ta=45 °C LIFE TIME (4) I/P : 230VAC O/P : 50% LOAD Ta=45 °C LIFE TIME		(1) 240361HRS (2) 203524HRS (3) 310483HRS (4) 402278 HRS
10	MTBF	Conducted by Parts Stress Analysis Prediction 2680.8K hrs min. Telcordia SR-332 (Bellcore); 268.5K hrs min. MIL-HDBK-217F (25°C)		
11	Ongoing Reliability Test	I/P : 230VAC O/P : FULL LOAD TA=50°C Demonstration Mean Time Between Failure : 50,000 hours		

TEST RESULT	TESTER	REVIEW	APPROVAL
PASS	WUWQ/HUANGMK	WENF	LINKX

2018.4.30

GP-A50-F010