



Test Report: XLG-320-M

315W Constant Power Mode LED Driver

■ DESIGN VERIFY TEST

Output Function Test

Input Function Test

Protection Function Test

Component Stress Test

■ SAFETY & E.M.C. TEST

Safety Test

E.M.C. Test

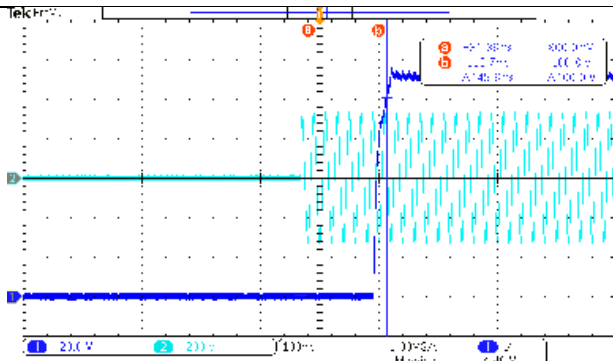
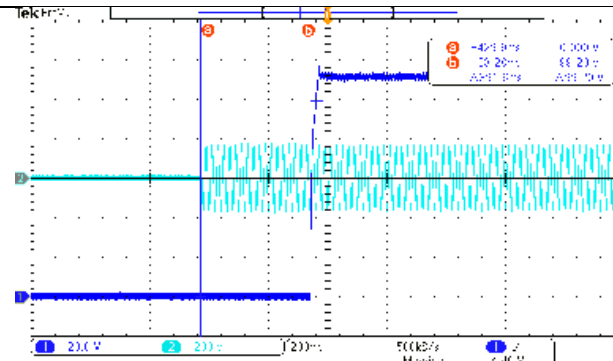
■ RELIABILITY TEST

ENVIRONMENT TEST

■ DESIGN VERIFY TEST

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	CURRENT TOLERANCE	±5%	I/P:230VAC O/P:LEDmax CP: 2.1A & 2.8A Ta:25°C	CP 2.1A: 2.086A/230VAC@CV MAX-1V 2.092A/230VAC@CV MIN -0.29%~0.76% CP 2.8A: 2.785A/230VAC@CV MAX-1V 2.831A/230VAC@CV MIN -0.54%~1.21%
2	FULL POWER CURRENT RANGE	2100-2800 mA	I/P: 230VAC O/P:LEDmax CP: 2.1A & 2.8A Ta:25°C	148V/2.11A/230VAC 111V/2.82A/230VAC
3	OPEN CIRCUIT VOLTAGE (max)	180V	I/P: 230VAC O/P:NO LOAD CP: OPEN Ta:25°C	157V
4	CONSTANT CURRENT REGION	CP 2.1A: CH1: 74V~ 148V CP 2.8A: CH1: 74V~ 111V	I/P: 230VAC O/P:LEDmax CP: A &A Ta:25°C	CP A:2.1A 56V~148 V/230VAC CP A:2.8A 62V~118 V/230VAC
5	CURRENT ADJ. RANGE	CH1: 1050mA~2800mA	I/P: 230VAC O/P:CVmin& CVmax-1V CP: 2.1A & 2.8A Ta:25°C	731mA~2257mA/230VAC@CV MAX-1V 912mA~3120mA/230VAC@CV MIN
6	CURRENT RIPPLE	5.0% max.	I/P: 230VAC O/P:LEDmax CP: 2.1A & 2.8A Ta:25°C	CP A:2.1 3.38% CP 2.8A: 3.9%

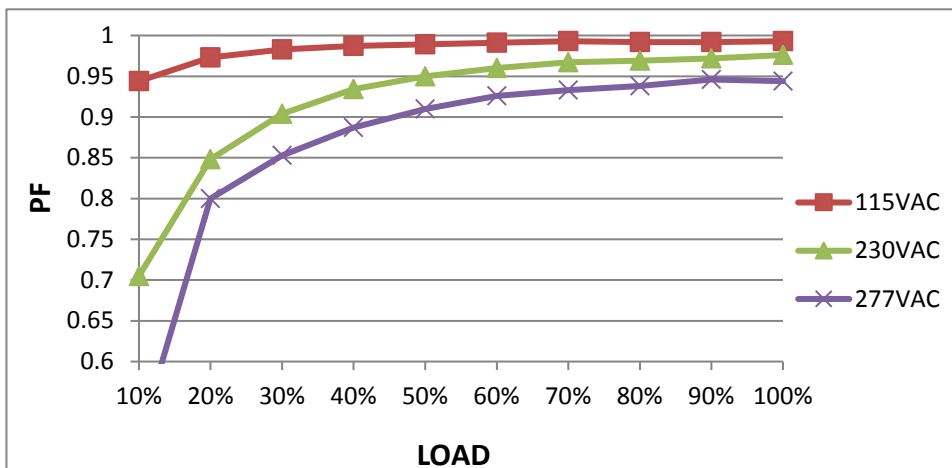
7	SET UP TIME	230VAC/ 500ms (Max) 115VAC/1200 ms (Max)	I/P: 230VAC I/P: 115VAC O/P:LEDmax CP 2.8A Ta:25°C	230VAC/145.6ms 115VAC/ 391.6ms
INPUT=230VAC/50HZ @ LEDMAX@ CP 2.8A CH1 : Output Voltage CH2 : AC Input Voltage		INPUT=115VAC/60HZ @ LEDMAX@ CP 2.8A CH1 : Output Voltage CH2 : AC Input Voltage		
				

INPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	INPUT VOLTAGE RANGE	100VAC~305 VAC 142VDC ~ 431VDC	(1) I/P:TESTING O/P:LEDmax (2) I/P:DC TESTING(L:- N:-) O/P:LEDmax (3) I/P:DC TESTING(L:- N:+) O/P:LEDmax Ta:25°C	(1) 87VAC~308VAC (2) 142VDC ~ 431VDC (3) 142VDC ~ 431VDC
			I/P: LOW-LINE-3V=97 V HIGH-LINE+10V=315 V O/P: LEDmax / LEDmin CP 2.8A (PLEASE CHECK DERATING CURVE) ON: 30 Sec OFF: 30 Sec 10MIN (POWER ON/OFF NO DAMAGE)	(1).TEST: OK (2).TEST : OK
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE	I/P: 100 VAC ~305VAC O/P: LEDmax ~ LEDmin CP A Ta:25°C	TEST:OK

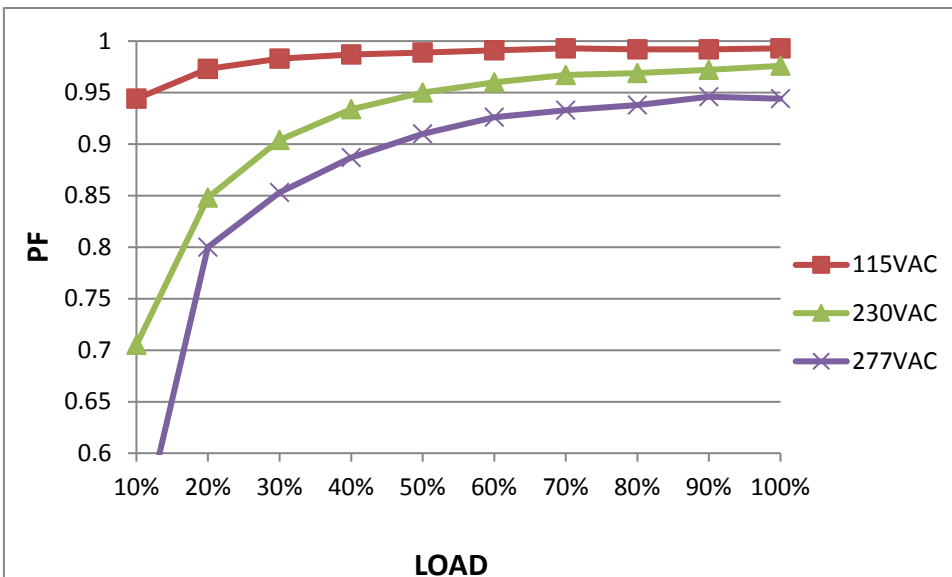
3	INPUT CURRENT (TYP)	230VAC/ 1.6 A 277VAC/ 1.3A 115VAC/ 3 A	I/P: 230VAC/277VAC/115VAC O/P:LEDmax CP: 2.8A Ta:25°C	I = 1.47 A/ 230VAC I = 1.24A/ 277VAC I = 2.97A/ 115VAC
4	LEAKAGE CURRENT	EN61230-1 < 0.75mA / 277VAC	I/P: 277 VAC O/P:Min LOAD Ta:25°C	L-FG: 0.285mA N-FG:0.287 mA
5	POWER FACTOR(TYP)	0.95/230VAC LEDMAX 0.92/277 VAC LEDMAX 0.98/115 VAC LEDMAX	I/P: 115VAC/230VAC/277VAC O/P:LEDmax CP: 2.8A Ta:25°C	PF= 0.971/230V/100%LOAD PF=0.941/277V/100%LOAD PF=0.993/115V/100%LOAD

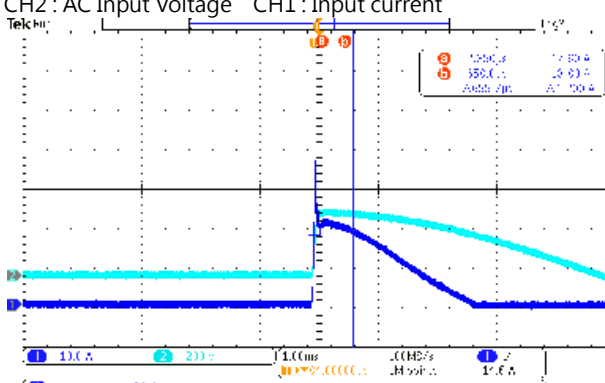
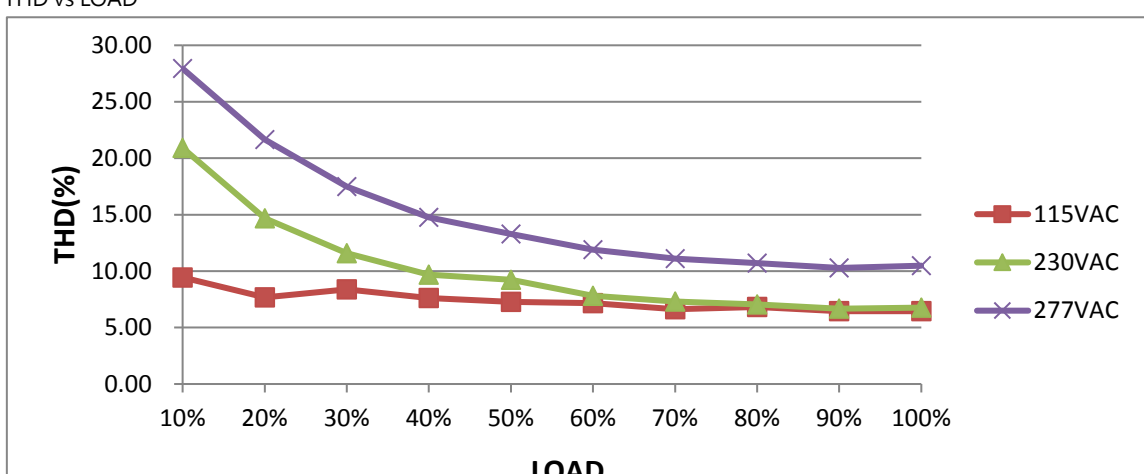
P.F vs LOAD



6	EFFICIENCY (TYP)	93.5%	I/P: 230VAC O/P:LEDmax CP: 2.8 A Ta:25°C	94%
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EFFICIENCY vs LOAD



7	INRUSH CURRENT (TYP)	230V/ 45A COLD START (twidth=1200 usmeasured at 50% Ipeak) COLD START	I/P: 230VAC O/P:LEDmax CP A Ta:25°C	I =36.4A /230VAC T50= 655.7 μS
INPUT=230VAC/ 60HZ @ LEDMAX CH2 : AC Input Voltage CH1 : Input current 				
8	TOTAL HARMONIC DISTORTION	THD< 10% @ 230VAC> 50% loading THD< 10% @ 115VAC> 50% loading THD< 15% @ 277VAC> 75% loading	I/P : 277/230/115VAC O/P : 75%/50% LOAD CP:2.8A Ta : 25°C	THD : 9.25%230V 50% THD : 7.24%115V50% THD : 10.86%277V 75%
THD vs LOAD 				

ROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER VOLTAGE PROTECTION	V1: 190V~220V	I/P: 305VAC I/P: 230VAC I/P: 100VAC CP: 2.1A O/P:MIN LOAD Ta:25°C	205V / 305VAC 204V/ 230VAC 205V/ 100VAC PROTECTION TYPE : Shut down output voltage, re-power on to recovery

2	OVER TEMPERATURE PROTECTION	NO DAMAGE	I/P: 305 VAC I/P: 100 VAC O/P: LEDmax CP: 2.1A Ta:25°C	O.T.P. Active PROTECTION TYPE : Tcase>85 °C ± 5 °C ,derate power automatically
3	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P: 305VAC I/P: 100 VAC O/P: LEDMAX CP: A &A Ta:25°C	CP:2.1 A NO DAMAGE PROTECTION TYPE : Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed CP: 2.8A NO DAMAGE PROTECTION TYPE : Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed

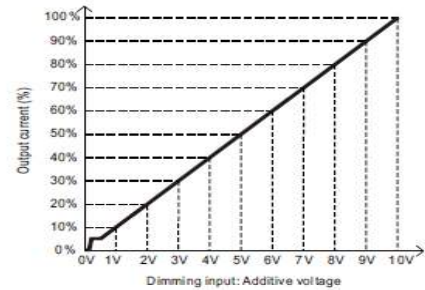
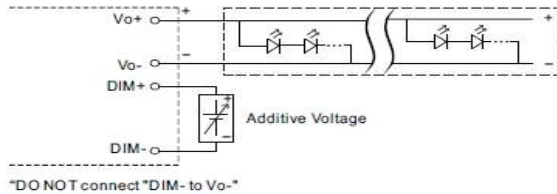
DIMMING OPERATION TEST

1 DIMMING
OPERATION
(for AB-Type)

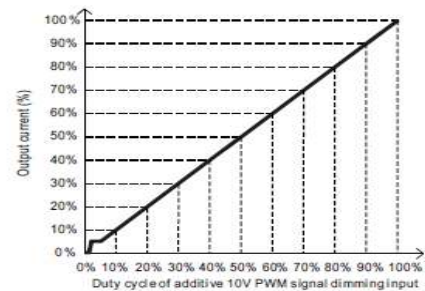
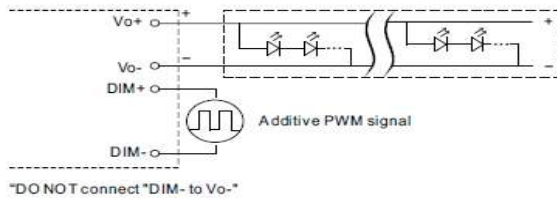
※ 3 in 1 dimming function (for AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: 0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 100 μ A (typ.)

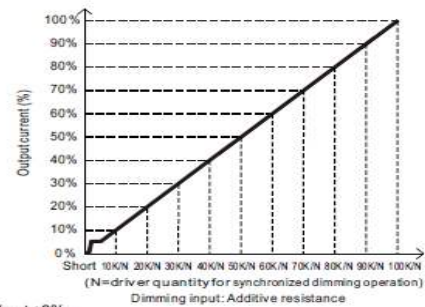
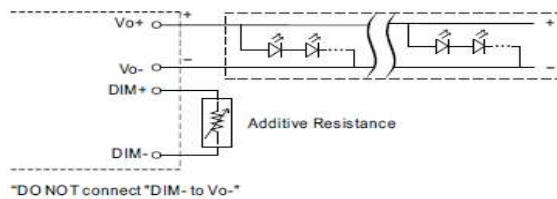
◎ Applying additive 0 ~ 10VDC



◎ Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):



◎ Applying additive resistance:



- Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% < I_{out} < 8%.
 2. The output current could drop down to 0% when dimming input is about 0V or 0Vdc, or 10V PWM signal with 0% duty cycle.
 3. When PWM frequency > 2K HZ, the lighting will be triggered at 10~15% PWM duty.

I/P : 230 VAC O/P : DIMMING TEST

	V	Short	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
1	Output Current	0.0000 A	0.289 A	0.47 A	0.662A	0.853A	1.049A	1.248A	1.452A	1.659A	1.877A	2.094A	2.094A
	%	0.00%	13.78 %	22.5 8%	31.50 %	40.61 %	49.94 %	59.42 %	69.12 %	79.02 %	89.39 %	99.73%	99.73%
	PWM	0V	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
2	Output Current (100Hz)	0.0000 A	0.320 A	0.50 7A	0.699A	0.895A	1.096A	1.302A	1.511A	1.724A	1.965A	2.095A	2.096A
	%	0.00%	15.22 %	24.1 4%	33.28 %	42.63 %	52.18 %	61.99 %	71.96 %	82.09 %	93.56 %	99.76%	99.79%
	Output Current (3KHz)	0.0000 A	0.288 A	0.47 6A	0.667A	0.863A	1.062A	1.266A	1.474A	1.687A	1.911A	2.094A	2.096A
	%	0.00%	13.69 %	22.6 6%	31.78 %	41.09 %	50.57 %	60.28 %	70.21 %	80.32 %	91.00 %	99.73%	99.79%
	R	0%	10K	20K	30K	40K	50K	60K	70K	80K	90K	100K	OPEN
3	Output Current	0.0000 A	0.318 A	0.50 5A	0.700A	0.898A	1.100A	1.305A	1.515A	1.729A	1.969A	2.095A	2.095A
	%	0.00%	15.13 %	24.0 6%	33.32 %	42.78 %	52.40 %	62.14 %	72.14 %	82.35 %	93.74 %	99.76%	99.74%

TEST RESULT : OK

COMPONENT STRESS TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	PWM Transistor (D to S) or (C to E) Peak Voltage	Q8 Rated 13 A/ 600V	I/P:High-Line +3V =308v AC ON/OFF CP: 2.1A&2.8A VDS: O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue (5) Output Short I/P:Low-Line -3V = 97V VDS: O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue (5) Output Short Ta:25°C	308V CP: 2.1A Q8 VDS: (1) 461V (2) 452V (3) 467V (4) 442V (5) 491V CP: 2.8A VDS: (1) 489V (2) 461V (3) 501V (4) 471V (5) 492V 97V CP:2.1 A Q8 VDS: (1) 461V (2) 453V (3) 449V (4) 435V (5) 447V CP: 2.8A VDS: (1) 472V (2) 452V (3) 474V (4) 449V (5) 501V
2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q1 Rated 20 A/ 600V	I/P:High-Line +3V =308v AC ON/OFF CP: 2.1A VDS: O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue (5) Output Short I/P:Low-Line -3V = 97V	CP: 2.1 Q1 VDS: (1) 499V (2) 478V (3) 462V (4) 456V (5) 488V CP: 2.1A

			VDS: O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue (5) Output Short Ta:25°C	Q1 VDS: (1) 472V (2) 474V (3) 466V (4) 472V (5) 468V
3	P.F.C DIODE	D5 Rated 9 A/ 600 V	I/P:High-Line +3V =308v AC ON/OFF CP:2.1 A VDS: O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue (5) Output Short I/P:Low-Line -3V = 97V O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue (5) Output Short Ta:25°C	(1) 494V (2) 446V (3) 478V (4)457V (5)469V (1)472 V (2) 461V (3) 466V (4)448V (5)472V
4	Diode Peak Voltage	D100 Rated: 10A/400V	I/P:High-Line +3V =308v AC ON/OFF CP: 2.1A&2.8A VDS: O/P: (1)LEDmax (2) LEDmax continue (3) Output Short	CP: 2.1A Q100 VDS: (1) 162V (2) 154V (3) 14V CP: 2.8A Q100 VDS: (1) 150V (2) 118V (3) 6V
5	Input Voltage Capacitor	C5 Rated: 180μ/450 V	I/P:High-Line +3V =308v AC ON/OFF CP: A VDS: O/P: (1)LEDmax (2) LEDmax continue (3) LEDmin (4) LEDmin continue Ta:25°C	(1) 453V (2) 439V (3) 443V (4) 437V

6	Control IC Voltage Test	PWM IC U2 Rated 8.9 V~ 15.5V PFC IC U1 Rated 11.85V~ 20V O/P IC U104 Rated 8V~ 24V	I/P:High-Line +3V =308v AC ON/OFF CP: 2.1A VDS: O/P: (1)LEDmax (2) LEDmin (3) Output Short (4) NO LOAD VRmin.LOW LINE Ta:25°C	U1&U2 (1) 14V (2) 13.8V (3) 14.2V (4) 14.2V U104 (1) 11.1V (2) 10.8V (3) 10.9V (4) 10.8V
7	VCC Diode Peak Voltage	D304 Rated 400 V2 A D401 Rated 400 V 2A	AC ON/OFF I/P : High-Line +3V = 308 V O/P : (1) Full load (2) Full load continue Ta : 25°C	D304 (1) 148V (2) 141V D401 (1) 132V (2) 115V
8	TOP SWITCHING STAND BY POWER	U300 Rated 1.5A/ 700V	AC ON/OFF CP: 2.1A I/P:High-Line +3V =308 V O/P: (1)LEDmax (2) LEDmin I/P:Low-Line -3V =97 V O/P: (1)LEDmax (2) LEDmin Ta:25°C	CP: 2.1A (1) 526V (2) 521V (1) 518V (2) 509V

■ SAFETY & EMC TEST

SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	WITHSTAND VOLTAGE	EN61230-1 I/P-O/P: 3.75KVAC/min I/P-FG: 2 KVAC/min O/P-FG:1.5KVAC/min	I/P-O/P: 4.125 KVAC/min I/P-FG: 2.4KVAC/min O/P-FG: 1.8 KVAC/min Ta:25°C	I/P-O/P: 3.628mA I/P-FG: 2.859mA O/P-FG:2.251 mA NO DAMAGE
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ I/P-FG: 500VDC>100MΩ O/P-FG:500VDC>100MΩ	I/P-O/P: 500 VDC I/P-FG: 500 VDC O/P-FG: 500 VDC Ta:25°C	I/P-O/P: 9999MΩ I/P-FG: 9999M Ω O/P-FG: 9999M Ω NO DAMAGE

3	GROUNDING CONTINUITY	EN61230-1 FG(PE) TO CHASSIS OR TRACE < 100 mΩ	40A / 2min Ta:25°C	13mΩ
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E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	HARMONIC	EN61000-3-2 CLASS C	I/P: 230VAC/50HZ O/P: LEDmax Ta:25°C	PASS
2	CONDUCTION	EN 55015	I/P:230VAC (50HZ) O/P: LEDmax Ta:25°C	PASS Test by certified Lab
3	RADIATION	EN 55015	I/P: 230VAC (50HZ) O/P:LEDmax Ta:25°C	PASS Test by certified Lab
4	E.S.D	EN61000-4-2 AIR : 8KV / Contact : 4KV	I/P: 230VAC (50HZ) O/P:LEDmax Ta:25°C	CRITERIA A
5	E.F.T	EN61000-4-4 INPUT: 2KV	I/P: 230VAC (50HZ) O/P:LEDmax Ta:25°C	CRITERIA A
6	SURGE	IEC61000-4-5 L-N :4KV L,N-PE:6KV	I/P: 230VAC (50HZ) O/P:LEDmax Ta:25°C	CRITERIA B
7	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 : XLG-320-M-AB 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta=26 °C 2. HIGH AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta=48.9 °C <table><tr><th>NO</th><th>Position</th><th>ROOM AMBIENT Ta=26°C</th><th>HIGH AMBIENT Ta=48.9°C</th></tr><tr><td>1</td><td>C1</td><td>56.5°C</td><td>77.5°C</td></tr><tr><td>2</td><td>ZNR3</td><td>56.1°C</td><td>76.8°C</td></tr><tr><td>3</td><td>BD1</td><td>63.1°C</td><td>83.9°C</td></tr><tr><td>4</td><td>RTH1</td><td>65.4°C</td><td>86.3°C</td></tr><tr><td>5</td><td>Q1</td><td>65.0°C</td><td>85.6°C</td></tr><tr><td>6</td><td>Q2</td><td>66.5°C</td><td>87.0°C</td></tr><tr><td>7</td><td>L2</td><td>70.0°C</td><td>90.8°C</td></tr><tr><td>8</td><td>D6</td><td>70.1°C</td><td>93.9°C</td></tr><tr><td>9</td><td>C5</td><td>60.5°C</td><td>81.9°C</td></tr><tr><td>10</td><td>RY1</td><td>66.3°C</td><td>87.8°C</td></tr><tr><td>11</td><td>C16</td><td>70.5°C</td><td>90.7°C</td></tr><tr><td>12</td><td>U1</td><td>59.4°C</td><td>80.7°C</td></tr><tr><td>13</td><td>U2</td><td>61.2°C</td><td>83.0°C</td></tr><tr><td>14</td><td>Q7</td><td>71.8°C</td><td>92.0°C</td></tr><tr><td>15</td><td>Q8</td><td>71.1°C</td><td>91.3°C</td></tr><tr><td>16</td><td>C88</td><td>67.3°C</td><td>87.6°C</td></tr><tr><td>17</td><td>T1</td><td>79.7°C</td><td>97.5°C</td></tr><tr><td>18</td><td>C142</td><td>65.2°C</td><td>85.9°C</td></tr><tr><td>19</td><td>D100</td><td>73.1°C</td><td>101.1°C</td></tr><tr><td>20</td><td>D102</td><td>71.8°C</td><td>97.4°C</td></tr><tr><td>21</td><td>C104</td><td>68.6°C</td><td>90.2°C</td></tr><tr><td>22</td><td>C110</td><td>58.4°C</td><td>80.6°C</td></tr><tr><td>23</td><td>U104</td><td>66.3°C</td><td>89.5°C</td></tr><tr><td>24</td><td>T2</td><td>67.7°C</td><td>86.8°C</td></tr><tr><td>25</td><td>RTH2</td><td>58.9°C</td><td>80.3°C</td></tr><tr><td>26</td><td>RTH7</td><td>62.6°C</td><td>84.5°C</td></tr><tr><td>27</td><td>TC</td><td>58.9°C</td><td>79.5°C</td></tr></table>			NO	Position	ROOM AMBIENT Ta=26°C	HIGH AMBIENT Ta=48.9°C	1	C1	56.5°C	77.5°C	2	ZNR3	56.1°C	76.8°C	3	BD1	63.1°C	83.9°C	4	RTH1	65.4°C	86.3°C	5	Q1	65.0°C	85.6°C	6	Q2	66.5°C	87.0°C	7	L2	70.0°C	90.8°C	8	D6	70.1°C	93.9°C	9	C5	60.5°C	81.9°C	10	RY1	66.3°C	87.8°C	11	C16	70.5°C	90.7°C	12	U1	59.4°C	80.7°C	13	U2	61.2°C	83.0°C	14	Q7	71.8°C	92.0°C	15	Q8	71.1°C	91.3°C	16	C88	67.3°C	87.6°C	17	T1	79.7°C	97.5°C	18	C142	65.2°C	85.9°C	19	D100	73.1°C	101.1°C	20	D102	71.8°C	97.4°C	21	C104	68.6°C	90.2°C	22	C110	58.4°C	80.6°C	23	U104	66.3°C	89.5°C	24	T2	67.7°C	86.8°C	25	RTH2	58.9°C	80.3°C	26	RTH7	62.6°C	84.5°C	27	TC	58.9°C	79.5°C
NO	Position	ROOM AMBIENT Ta=26°C	HIGH AMBIENT Ta=48.9°C																																																																																																																	
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10	RY1	66.3°C	87.8°C																																																																																																																	
11	C16	70.5°C	90.7°C																																																																																																																	
12	U1	59.4°C	80.7°C																																																																																																																	
13	U2	61.2°C	83.0°C																																																																																																																	
14	Q7	71.8°C	92.0°C																																																																																																																	
15	Q8	71.1°C	91.3°C																																																																																																																	
16	C88	67.3°C	87.6°C																																																																																																																	
17	T1	79.7°C	97.5°C																																																																																																																	
18	C142	65.2°C	85.9°C																																																																																																																	
19	D100	73.1°C	101.1°C																																																																																																																	
20	D102	71.8°C	97.4°C																																																																																																																	
21	C104	68.6°C	90.2°C																																																																																																																	
22	C110	58.4°C	80.6°C																																																																																																																	
23	U104	66.3°C	89.5°C																																																																																																																	
24	T2	67.7°C	86.8°C																																																																																																																	
25	RTH2	58.9°C	80.3°C																																																																																																																	
26	RTH7	62.6°C	84.5°C																																																																																																																	
27	TC	58.9°C	79.5°C																																																																																																																	
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR	I/P : 305VAC/100VAC O/P : 100%LOAD Ta= -45/-35 °C	TEST : OK																																																																																																																
3	HIGH HUMIDITY HIGH TEMPERATURE HIGH VOLTAGE TURN ON TEST	AFTER 12 HOURS IN CHAMBER ON CONTROL 45 °C NO DAMAGE	I/P : 315 VAC O/P : FULL LOAD Ta=45 °C HUMIDITY= 95 %R.H	TEST : OK																																																																																																																

4	TEMPERATURE COEFFICIENT	$\pm 0.03 \%$ /(0°C~60°C)	I/P : 230 VAC O/P : FULL LOAD	$\pm 0.001 \%$ /°C(0~60°C)
5	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 TEST : OK	
6	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 TEST : OK	
7	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	
8	CAPACITOR LIFE CYCLE	SUPPOSE C104 IS THE MOST CRITICAL COMPONENT (1) I/P : 230VAC O/P : FULL LOAD Tc=70 °C LIFE TIME (2) I/P : 230VAC O/P : 75% LOAD Tc=70 °C LIFE TIME (3) I/P : 230VAC O/P : 50% LOAD Tc= 70 °C LIFE TIME		(1) 74954HRS (2) 70037HRS (3) 96978HRS
9	MTBF	Conducted by Parts Stress Analysis Prediction 1476.4K hrs min. Telcordia SR-332 (Bellcore) ; 168.1K hrs min. MIL-HDBK-217F (25°C)		
10	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