

MODEL : RSP-3000-12

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	RIPPLE & NOISE	V1 : 150 mVp-p (Max)	I/P : 230VAC O/P : FULL LOAD Ta : 25°C	V1 : 84 mVp-p (Max)	P
2	OUTPUT VOLTAGE ADJUST RANGE	CH1 : 10.8 V~ 13.2 V	I/P : 230 VAC O/P : MIN LOAD Ta : 25°C	10.221 V~ 12.820 V/ 230 VAC 10.217 V~ 13.807 V/ 180 VAC	P
3	OUTPUT VOLTAGE TOLERANCE	V1 : 1 %~ -1 % (Max)	I/P : 180VAC / 264 VAC O/P : FULL/ MIN LOAD Ta : 25°C	V1 : 0.08 %~ -0.08 %	P
4	LINE REGULATION	V1 : 0.5 %~ -0.5 % (Max)	I/P : 180VAC ~ 264 VAC O/P : FULL LOAD Ta : 25°C	V1 : 0.05 %~ -0.05 %	P
5	LOAD REGULATION	V1 : 0.5 %~ -0.5 % (Max)	I/P : 230 VAC O/P : FULL ~MIN LOAD Ta : 25°C	V1 : 0.05 %~ -0.05 %	P
6	SET UP TIME	230VAC : 1000 ms (Max)	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	230VAC/ 484 ms	P
7	RISE TIME	230VAC : 80 ms (Max)	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	230VAC/ 57 ms	P
8	HOLD UP TIME	230VAC : 10 ms (TYP)	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	230VAC/ 26 ms	P
9	OVER/UNDERSHOOT TEST	< ±5%	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	TEST : < 5 %	P
10	DYNAMIC LOAD	V1 : 1200 mVp-p	I/P : 230 VAC O/P : FULL /Min LOAD 90%DUTY/ 1KHZ Ta : 25°C	493 mVp-p	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	180VAC~264 VAC	I/P : TESTING O/P : FULL LOAD Ta : 25°C	173V~264V	P
			I/P : LOW-LINE-3V= 177 V HIGH-LINE+15%=300 V O/P : FULL/MIN LOAD ON : 30 Sec. OFF : 30 Sec 10MIN (AC POWER ON/OFF NO DAMAGE)	TEST : OK	
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE OSC	I/P : 180 VAC ~ 264 VAC O/P : FULL-MIN LOAD Ta : 25°C	TEST : OK	P
3	POWER FACTOR	0.95 / 230 VAC(TYP)	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	PF= 0.988 / 230 VAC	P
4	EFFICIENCY	86% (TYP)	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	87.6 %	P
5	INPUT CURRENT	230V/ 16 A (TYP) 180V/ 20 A (TYP)	I/P : 230 VAC I/P : 180 VAC O/P : FULL LOAD Ta : 25°C	I = 12.26 A/ 230 VAC I = 15.76 A/ 180 VAC	P
6	INRUSH CURRENT	230V/ 60 A (TYP) COLD START	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	I = 52 A/ 230 VAC	P
7	LEAKAGE CURRENT	< 2 mA / 240 VAC	I/P : 264 VAC O/P : Min LOAD Ta : 25°C	L-FG : 1.25 mA N-FG : 1.3 mA	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	100%~112 %	I/P : 230 VAC O/P : TESTING Ta : 25°C	106.6 %/ 230 VAC Constant Current Limiting	P
2	OVER VOLTAGE PROTECTION	CH1 : 13.8V~ 16.8V	I/P : 230 VAC O/P : MIN LOAD Ta : 25°C	15.09 V/ 230 VAC Shut down Re- power ON	P
3	OVER TEMPERATURE PROTECTION	SPEC : TSW1 : 90 ± 5°C O.T.P detect on heatsink of power transistor TSW2 : 90 ± 5°C O.T.P detect on heatsink of O/P diode NO DAMAGE	I/P : 230 VAC O/P : FULL LOAD	O.T.P. Active Shut down o/p voltage , recovers automatically after temperature goes down	P
4	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P : 264 VAC O/P : FULL LOAD Ta : 25°C	NO DAMAGE CN3 PIN9-10 SHORT: Shut down Re-power ON CN3 PIN9-10 OPEN: Current Limit	P

CONTROL FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT														
1	AUXILIARY POWER (AUX)	12V @ 0.1A (Only for Remote ON/OFF control)	I/P : 230 VAC O/P : FULL LOAD Ta : 25℃	11.865V	P														
2	REMOTE CONTROL	Table1.1 Fig1.2(a)(b)(c) Specification of Remote ON/OFF	I/P : 230 VAC O/P : FULL LOAD Ta : 25℃	<table><tr><td colspan="2">Connection Method</td><td>Fig1.2(a)</td><td>Fig1.2(b)</td><td>Fig1.2(c)</td></tr><tr><td rowspan="2">SW Logic</td><td>Output on</td><td>SW Open</td><td>SW Open</td><td>SW Close</td></tr><tr><td>Output off</td><td>SW Close</td><td>SW Close</td><td>SW Open</td></tr></table>	Connection Method		Fig1.2(a)	Fig1.2(b)	Fig1.2(c)	SW Logic	Output on	SW Open	SW Open	SW Close	Output off	SW Close	SW Close	SW Open	P
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3	ALARM SIGNAL OUTPUT	<table><tr><th colspan="2">Table2.1 Explanation of alarm</th></tr><tr><th>Function</th><th>Description</th></tr><tr><td rowspan="3">P OK</td><td>The signal is "Low" when the power supply is 80% of the rated output voltage-Power OK</td></tr><tr><td>The signal turns to be "High" when the power supply is under 80% of the rated output voltage-Power Fail</td></tr></table>	Table2.1 Explanation of alarm		Function	Description	P OK	The signal is "Low" when the power supply is 80% of the rated output voltage-Power OK	The signal turns to be "High" when the power supply is under 80% of the rated output voltage-Power Fail	I/P : 230 VAC O/P : FULL LOAD Ta : 25℃	<table><tr><th>Output of alarm (P OK, relay contact)</th><th>Output of alarm (P OK2, TTL Signal)</th></tr><tr><td>Low (0.5V max at 500mA)</td><td>Low (0.5V max at 10mA)</td></tr><tr><td>High or open (External applied voltage 500mA max.)</td><td>High or open (External applied voltage 10mA max.)</td></tr></table>	Output of alarm (P OK, relay contact)	Output of alarm (P OK2, TTL Signal)	Low (0.5V max at 500mA)	Low (0.5V max at 10mA)	High or open (External applied voltage 500mA max.)	High or open (External applied voltage 10mA max.)	P	
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4	OUTPUT VOLTAGE PROGRAMMABLE(PV)	(1) Adjustment of output voltage is possible between 20~110%(Typ.) of the rated output which is shown in Fig. 3.1 (2) Connecting a resistor externally between PV and-S on CN1 or CN2 that is shown in Fig. 3.2	I/P : 230 VAC O/P : NOL LOAD Ta : 25℃	PV=1V , Vout= 2.420 V PV=3V , Vout= 7.224 V PV=5V , Vout= 12.035 V PV=5.5,Vout= 13.249 V	P														
5	CURRENT SHARING	PSU1-PSU2 < 10%	I/P : 230 VAC O/P : 90%/50% LOAD Ta : 25℃	O/P : 90% LOAD PSU1 : 178.4A PSU2 : 179.5A PSU3 : 183.5A O/P : 50% PSU1 : 99.6A PSU2 : 98.2A PSU3 : 102.9A	P														
6	REMOTE SENSE	>0.25V	I/P : 230 VAC O/P : FULL LOAD Ta : 25℃	> 0.25 V	P														
7	FAN SPEED CONTROL	-----	I/P : 230 VAC O/P : FULL /NOLOAD Ta : 25℃	NO LOAD Fan Voltage= 6.715 V 100% LOAD Fan Voltage= 12.345 V	P														

ENVIRONMENT TEST

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1	TEMPERATURE RISE TEST	MODEL : RSP-3000-12 1. ROOM AMBIENT BURN-IN : 1.5 HRS I/P : 230VAC O/P : FULL LOAD Ta= 36.7 °C 2. HIGH AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta= 47.6 °C <table><thead><tr><th>NO</th><th>Position</th><th>P/N</th><th>ROOM AMBIENT Ta= 36.7 °C</th><th>HIGH AMBIENT Ta= 47.6 °C</th></tr></thead><tbody><tr><td>1</td><td>LF1</td><td>TR807</td><td>65.8°C</td><td>80.1°C</td></tr><tr><td>2</td><td>LF2</td><td>TR807</td><td>65.0°C</td><td>78.2°C</td></tr><tr><td>3</td><td>BD1</td><td>25A/600V GLASS D25XB60</td><td>72.9°C</td><td>84.5°C</td></tr><tr><td>4</td><td>BD2</td><td>25A/600V GLASS D25XB60</td><td>66.9°C</td><td>79.2°C</td></tr><tr><td>5</td><td>T1</td><td>TF905</td><td>41.9°C</td><td>54.7°C</td></tr><tr><td>6</td><td>L1</td><td>TF1804</td><td>54.0°C</td><td>65.7°C</td></tr><tr><td>7</td><td>T1</td><td>TF905</td><td>41.3°C</td><td>54.2°C</td></tr><tr><td>8</td><td>D2</td><td>STTH3006DPI 30A/600V</td><td>65.5°C</td><td>78.3°C</td></tr><tr><td>9</td><td>Q5</td><td>TK40J60T 40A/600V</td><td>52.0°C</td><td>64.7°C</td></tr><tr><td>10</td><td>C5</td><td>470u/420V 105°C 30*45 HU</td><td>49.8°C</td><td>62.8°C</td></tr><tr><td>11</td><td>C7</td><td>470u/420V 105°C 30*45 HU</td><td>52.9°C</td><td>65.4°C</td></tr><tr><td>12</td><td>U900</td><td>UCC2818</td><td>48.6°C</td><td>61.8°C</td></tr><tr><td>13</td><td>C83</td><td>10u/50V 5*11 YXM</td><td>54.0°C</td><td>67.5°C</td></tr><tr><td>14</td><td>U1</td><td>TNY280PN</td><td>62.0°C</td><td>75.7°C</td></tr><tr><td>15</td><td>C82</td><td>470u/25V 10*12.5 ZLH</td><td>58.4°C</td><td>72.3°C</td></tr><tr><td>16</td><td>ZD80</td><td>TVS P6KE200A</td><td>65.0°C</td><td>78.4°C</td></tr><tr><td>17</td><td>T2</td><td>TF1806</td><td>61.9°C</td><td>80.4°C</td></tr><tr><td>18</td><td>C303</td><td>470u/25V 10*12.5 ZLH</td><td>61.2°C</td><td>75.6°C</td></tr><tr><td>19</td><td>C306</td><td>47u/25V 5*11 YXM</td><td>62.4°C</td><td>77.5°C</td></tr><tr><td>20</td><td>RG1</td><td>RG L7812CV 1.0A/12V</td><td>62.4°C</td><td>77.5°C</td></tr><tr><td>21</td><td>T6</td><td>TF1813</td><td>59.8°C</td><td>73.8°C</td></tr><tr><td>22</td><td>T7</td><td>TF1813</td><td>60.5°C</td><td>74.6°C</td></tr><tr><td>23</td><td>Q51</td><td>FCH47N60F 47A/600V</td><td>58.1°C</td><td>73.1°C</td></tr><tr><td>24</td><td>D980</td><td>BYC8-600 8A/600V</td><td>54.6°C</td><td>68.5°C</td></tr><tr><td>25</td><td>L2</td><td>TF1805</td><td>84.1°C</td><td>98.1°C</td></tr><tr><td>26</td><td>D981</td><td>BYC8-600 8A/600V</td><td>57.7°C</td><td>71.9°C</td></tr><tr><td>27</td><td>T5</td><td>TF1810</td><td>83.3°C</td><td>98.5°C</td></tr><tr><td>28</td><td>D100</td><td>S60SC6MT 60A/60V</td><td>59.7°C</td><td>75.7°C</td></tr><tr><td>29</td><td>D104</td><td>S60SC6MT 60A/60V</td><td>84.1°C</td><td>102.2°C</td></tr><tr><td>30</td><td>L101</td><td>TF1807</td><td>58.5°C</td><td>110.9°C</td></tr><tr><td>31</td><td>C110</td><td>2200u/25V 12.5*30 ZLH</td><td>59.7°C</td><td>75.1°C</td></tr><tr><td>32</td><td>C114</td><td>2200u/25V 12.5*30 ZLH</td><td>73.8°C</td><td>90.9°C</td></tr><tr><td>33</td><td>C116</td><td>2200u/25V 12.5*30 ZLH</td><td>70.9°C</td><td>87.6°C</td></tr><tr><td>34</td><td>C510</td><td>47u/25V 5*11 YXM</td><td>62.8°C</td><td>78.0°C</td></tr><tr><td>35</td><td>C512</td><td>47u/25V 5*11 YXM</td><td>63.0°C</td><td>78.1°C</td></tr><tr><td>36</td><td>Q530</td><td>STP60NF06L 60A/60V</td><td>61.8°C</td><td>77.2°C</td></tr><tr><td>37</td><td>C701</td><td>680u/25V 10*16 ZLH</td><td>40.1°C</td><td>53.0°C</td></tr><tr><td>38</td><td>Q702</td><td>TIP42C -5A/100V</td><td>42.0°C</td><td>54.9°C</td></tr><tr><td>39</td><td>TSW2</td><td>ST-22 90°C</td><td>75.1°C</td><td>91.3°C</td></tr><tr><td>40</td><td>D3</td><td>GAS TUBE 200V±20%</td><td>56.9°C</td><td>71.6°C</td></tr><tr><td>41</td><td>TSW1</td><td>ST-22 90°C</td><td>57.6°C</td><td>74.3°C</td></tr></tbody></table>			NO	Position	P/N	ROOM AMBIENT Ta= 36.7 °C	HIGH AMBIENT Ta= 47.6 °C	1	LF1	TR807	65.8°C	80.1°C	2	LF2	TR807	65.0°C	78.2°C	3	BD1	25A/600V GLASS D25XB60	72.9°C	84.5°C	4	BD2	25A/600V GLASS D25XB60	66.9°C	79.2°C	5	T1	TF905	41.9°C	54.7°C	6	L1	TF1804	54.0°C	65.7°C	7	T1	TF905	41.3°C	54.2°C	8	D2	STTH3006DPI 30A/600V	65.5°C	78.3°C	9	Q5	TK40J60T 40A/600V	52.0°C	64.7°C	10	C5	470u/420V 105°C 30*45 HU	49.8°C	62.8°C	11	C7	470u/420V 105°C 30*45 HU	52.9°C	65.4°C	12	U900	UCC2818	48.6°C	61.8°C	13	C83	10u/50V 5*11 YXM	54.0°C	67.5°C	14	U1	TNY280PN	62.0°C	75.7°C	15	C82	470u/25V 10*12.5 ZLH	58.4°C	72.3°C	16	ZD80	TVS P6KE200A	65.0°C	78.4°C	17	T2	TF1806	61.9°C	80.4°C	18	C303	470u/25V 10*12.5 ZLH	61.2°C	75.6°C	19	C306	47u/25V 5*11 YXM	62.4°C	77.5°C	20	RG1	RG L7812CV 1.0A/12V	62.4°C	77.5°C	21	T6	TF1813	59.8°C	73.8°C	22	T7	TF1813	60.5°C	74.6°C	23	Q51	FCH47N60F 47A/600V	58.1°C	73.1°C	24	D980	BYC8-600 8A/600V	54.6°C	68.5°C	25	L2	TF1805	84.1°C	98.1°C	26	D981	BYC8-600 8A/600V	57.7°C	71.9°C	27	T5	TF1810	83.3°C	98.5°C	28	D100	S60SC6MT 60A/60V	59.7°C	75.7°C	29	D104	S60SC6MT 60A/60V	84.1°C	102.2°C	30	L101	TF1807	58.5°C	110.9°C	31	C110	2200u/25V 12.5*30 ZLH	59.7°C	75.1°C	32	C114	2200u/25V 12.5*30 ZLH	73.8°C	90.9°C	33	C116	2200u/25V 12.5*30 ZLH	70.9°C	87.6°C	34	C510	47u/25V 5*11 YXM	62.8°C	78.0°C	35	C512	47u/25V 5*11 YXM	63.0°C	78.1°C	36	Q530	STP60NF06L 60A/60V	61.8°C	77.2°C	37	C701	680u/25V 10*16 ZLH	40.1°C	53.0°C	38	Q702	TIP42C -5A/100V	42.0°C	54.9°C	39	TSW2	ST-22 90°C	75.1°C	91.3°C	40	D3	GAS TUBE 200V±20%	56.9°C	71.6°C	41	TSW1	ST-22 90°C	57.6°C	74.3°C	
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35	C512	47u/25V 5*11 YXM	63.0°C	78.1°C																																																																																																																																																																																																																			
36	Q530	STP60NF06L 60A/60V	61.8°C	77.2°C																																																																																																																																																																																																																			
37	C701	680u/25V 10*16 ZLH	40.1°C	53.0°C																																																																																																																																																																																																																			
38	Q702	TIP42C -5A/100V	42.0°C	54.9°C																																																																																																																																																																																																																			
39	TSW2	ST-22 90°C	75.1°C	91.3°C																																																																																																																																																																																																																			
40	D3	GAS TUBE 200V±20%	56.9°C	71.6°C																																																																																																																																																																																																																			
41	TSW1	ST-22 90°C	57.6°C	74.3°C																																																																																																																																																																																																																			
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2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)	I/P : 230 VAC O/P : 103 % LOAD Ta : 25°C	TEST : OK	P
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR	I/P : 230 VAC O/P : 100% LOAD Ta= -20°C	TEST : OK	P
4	HIGH HUMIDITY HIGH TEMPERATURE HIGH VOLTAGE TURN ON TEST	AFTER 12 HOURS IN CHAMBER ON CONTROL 50 °C NO DAMAGE	I/P : 272 VAC O/P : FULL LOAD Ta= 50 °C HUMIDITY= 95 %R.H	TEST : OK	P
5	TEMPERATURE COEFFICIENT	± 0.05 % (0~50°C)	I/P : 230 VAC O/P : FULL LOAD	± 0.016 % (0~50°C)	P
6	VIBRATION TEST	1 Carton & 1 Set (1) Waveform : Sine Wave (2) Frequency : 10~500Hz (3) Sweep Time : 10min/sweep cycle (4) Acceleration : 2G (5) Test Time : 1 hour in each axis (X.Y.Z) (6) Ta : 25°C		TEST : OK	P

SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P : 3 KVAC/min I/P-FG : 1.5 KVAC/min O/P-FG : 0.5 KVAC/min	I/P-O/P : 3.6 KVAC/min I/P-FG : 1.8 KVAC/min O/P-FG : 0.6 KVAC/min Ta : 25°C	I/P-O/P : 11.19 mA I/P-FG : 10.28 mA O/P-FG : 7.86 mA NO DAMAGE	P
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 /70%RH	I/P-O/P : 2.70 GΩ I/P-FG : 1.99 GΩ O/P-FG : 4.85 GΩ NO DAMAGE	P
3	GROUNDING CONTINUITY	FG(PE) TO CHASSIS OR TRACE < 100 mΩ	40 A / 2min Ta : 25°C / 70%RH	20 mΩ	P
4	APPROVAL	TUV : Certificate NO : UL : File NO :			N/A

E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	HARMONIC	EN61000-3-2,-3 CLASS A	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	PASS	P
2	CONDUCTION	EN55022 CLASS B	I/P : 230 VAC (50HZ) O/P : FULL/50% LOAD Ta : 25°C	PASS Test by certified Lab	P
3	RADIATION	EN55022 CLASS B	I/P : 230 VAC (50HZ) O/P : FULL LOAD Ta : 25°C	PASS Test by certified Lab	P
4	E.S.D	EN61000-4-2 LIGHT INDUSTRY AIR : 8KV / Contact : 4KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A	P
5	E.F.T	EN61000-4-4 LIGHT INDUSTRY INPUT : 1KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A	P
6	SURGE	IEC61000-4-5 LIGHT INDUSTRY L-N : 1KV L,N-PE : 2KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A	P
7	Test by certified Lab & Test Report Prepare				

M.T.B.F & LIFE CYCLE CALCULATION

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	CAPACITOR LIFE CYCLE	RSP-3000-12 : SUPPOSE C114 I/P : 230VAC O/P : FULL LOAD Ta= 25 °C LIFE TIME= 227287 HRS I/P : 230VAC O/P : FULL LOAD Ta= 50 °C LIFE TIME=26145 HRS I/P : 230VAC O/P : 75% LOAD Ta= 50 °C LIFE TIME=85523 HRS	IS THE MOST CRITICAL COMPONENT		P
2	MTBF	Conducted by Parts Stress Analysis Prediction 223.8K hrs min. Telcordia SR-332 (Bellcore) ; 75.1K hrs min. MIL-HDBK-217F (25°C)			P
3	DMTBF/Accelerated Life Test	Demonstration Mean Time Between Failure : Above 50,000 hours @ TA 50°C			P

COMPONENT STRESS TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	Power Transistor (D to S) or (C to E) Peak Voltage	Q50 Rated FCH47N60F 47A/600V	I/P : High-Line +3V = 267 V O/P : (1)Full Load Turn on (2) Output Short Ta : 25°C	(1) 458 V (2) 444 V	P
2	Diode Peak Voltage	D100 Rated S60SC6MT 60A/60V	I/P : High-Line +3V = 267 V O/P : (1)Full Load Turn on (2)Output Short Ta : 25°C	(1) 47.2 V (2) 43.6 V	P
3	Input Capacitor Voltage	C5 Rated 470u/420V 105°C 30*45 HU	I/P : High-Line +3V = 267 V O/P : (1)Full Load Turn on /Off (2) Min load Turn on /Off (3)Full Load /Min load Change Ta : 25°C	(1) 392.2 V (2) 392.1 V (3) 392.1 V	P
4	Control IC Voltage Test	U223 Rated UCC2895DW : 11.8V~17V	I/P : High-Line +3V = 267 V O/P : (1)Full Load Turn on /Off (2) Min load Turn on /Off (3)Full Load /Min load Change Ta : 25°C	(1) 12.869 V (2) 12.873 V (3) 12.873 V	P
5	Power Transistor (D to S) or (C to E) Peak Voltage	Q5 Rated TK40J60T 40A/600V	I/P : High-Line +3V = 267 V O/P : (1)Full Load Turn on (2) Output Short Ta : 25°C	(1) 564 V (2) 438 V	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2008/12/3	RD SAMPLE	PASS	SANFORD SU	VINCENT TSENG
2009/3/11	PRODUCT SAMPLE W0812E52	PASS	SANFORD SU	VINCENT TSENG
2009/6/10	PRODUCT SAMPLE W0904A38	PASS	SANFORD SU	VINCENT TSENG

2003/12/12 A50-F023