

Model : GS06x-8 6W                      AC-DC      Single Output Wall-mount adaptor  
 V1 : +48V / 0.125A

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	RIPPLE & NOISE	300mVp-p (Typ)	I/P:230VAC O/P:FULL LOAD Ta:25°C	20mVp-p	P
2	VOLTAGE TOLERANCE	-2% - +2% (Max)	I/P:90VAC~264VAC O/P:FULL-MIN. LOAD Ta:25°C	-1.2% ~ +0%	P
3	LINE REGULATION	-0.5% - +0.5% (Max)	I/P:90VAC ~264VAC O/P:FULL LOAD Ta:25°C	-0% ~ +0%	P
4	LOAD REGULATION	-2% - +2% (Max)	I/P:230VAC O/P:FULL -MIN LOAD Ta:25°C	-0.1% ~ +0.1%	P
5	SET UP TIME	1000mS (Max)	I/P:230VAC O/P:FULL LOAD Ta:25°C	552 mS	P
6	RISE TIME	50mS (Max)	I/P:230VAC O/P:FULL LOAD Ta:25°C	20.4 mS	P
7	HOLD UP TIME	12mS (Min)	I/P:115VAC O/P:FULL LOAD Ta:25°C	23.7 mS	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE RANGE	100VAC ~ 240VAC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	40V ~ 264V	P
2	FREQUENCY RANGE	50HZ - 60HZ (Typ) NO DAMAGE OSC	I/P: 100VAC ~ 240VAC O/P:FULL-MIN LOAD Ta:25°C	TEST: OK	P
3	EFFICIENCY	82% (Typ)	I/P:230VAC O/P:FULL LOAD Ta:25°C	84.61%	P
4	AC CURRENT	0.2A (Max)	I/P: 100VAC O/P:FULL LOAD Ta:25°C	0.13A	P
5	NO LOAD POWER COMSUMPTION	< 0.75W	I/P:230VAC O/P: NO LOAD Ta:25°C	0.5W (230VAC)	P

6	INRUSH CURRENT	< 50A COLD START	I/P:230VAC O/P:FULL LOAD Ta:25°C	43.0A	P
7	LEAKAGE CURRENT	<0.25mA / 240VAC	I/P:240VAC O/P:Min LOAD Ta:25°C	0.002mA	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	>120%	I/P:230VAC O/P:TESTING Ta:25°C	328% HICCUP MODE RESET AUTO RECOVER	P
2	OVER VOLTAGE PROTECTION	>120% CLAMP BY ZENER DIODE	I/P:230VAC O/P:MIN LOAD Ta:25°C	CLAMP BY ZENER DIODE	P
3	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:264VAC O/P:FULL LOAD Ta:25°C	NO DAMAGE HICCUP MODE RESET AUTO RECOVER	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT																																																																																
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:230VAC O/P:100% LOAD Ta=29.0°C 2. ROOM AMBIENT BURN-IN : 2HRS I/P:115VAC O/P:100% LOAD Ta=29.0°C 3. ROOM AMBIENT BURN-IN : 2HRS I/P:115VAC O/P:100% LOAD Ta=44.0°C 4. ROOM AMBIENT BURN-IN : 2HRS I/P:230VAC O/P:100% LOAD Ta=44.5°C 5. ROOM AMBIENT BURN-IN : 6HRS I/P:230VAC O/P:70% LOAD Ta=45.6°C			P																																																																																
				<table border="1"> <thead> <tr> <th>NO</th> <th>Position</th> <th>P/N</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>VCC C5</td> <td>FuhYin 22uF/50V 105°C HFR 6*12</td> <td>56.9°C</td> <td>54.6°C</td> <td>69.7°C</td> <td>72.0°C</td> <td>72.3°C</td> </tr> <tr> <td>2</td> <td>Q1</td> <td>U1N60 TO-251</td> <td>70.8°C</td> <td>66.2°C</td> <td>81.0°C</td> <td>84.4°C</td> <td>84.4°C</td> </tr> <tr> <td>3</td> <td>I/P C1</td> <td>FuhYin 4.7uF/400V 105°C HFR 10*13</td> <td>53.7°C</td> <td>54.1°C</td> <td>68.8°C</td> <td>69.1°C</td> <td>69.4°C</td> </tr> <tr> <td>4</td> <td>D1</td> <td>SZ644</td> <td>54.3°C</td> <td>56.4°C</td> <td>70.7°C</td> <td>69.7°C</td> <td>69.5°C</td> </tr> <tr> <td>5</td> <td>O/P C8</td> <td>Ltec 100uF/63V 105°C LZG 8*16</td> <td>49.1°C</td> <td>47.8°C</td> <td>62.1°C</td> <td>63.8°C</td> <td>63.7°C</td> </tr> <tr> <td>6</td> <td>O/P C9</td> <td>Ltec 100uF/63V 105°C LZG 8*16</td> <td>44.9°C</td> <td>43.9°C</td> <td>58.0°C</td> <td>59.3°C</td> <td>59.7°C</td> </tr> <tr> <td>7</td> <td>O/P D4</td> <td>FR104</td> <td>58.4°C</td> <td>56.8°C</td> <td>71.0°C</td> <td>73.0°C</td> <td>72.0°C</td> </tr> <tr> <td>8</td> <td>T1</td> <td>EE-17</td> <td>68.0°C</td> <td>64.3°C</td> <td>78.8°C</td> <td>82.2°C</td> <td>80.7°C</td> </tr> <tr> <td>9</td> <td>CASE</td> <td>UPON CERTER</td> <td>48.1°C</td> <td>47.1°C</td> <td>62.8°C</td> <td>64.2°C</td> <td>65.6°C</td> </tr> </tbody> </table>	NO	Position	P/N	1	2	3	4	5	1	VCC C5	FuhYin 22uF/50V 105°C HFR 6*12	56.9°C	54.6°C	69.7°C	72.0°C	72.3°C	2	Q1	U1N60 TO-251	70.8°C	66.2°C	81.0°C	84.4°C	84.4°C	3	I/P C1	FuhYin 4.7uF/400V 105°C HFR 10*13	53.7°C	54.1°C	68.8°C	69.1°C	69.4°C	4	D1	SZ644	54.3°C	56.4°C	70.7°C	69.7°C	69.5°C	5	O/P C8	Ltec 100uF/63V 105°C LZG 8*16	49.1°C	47.8°C	62.1°C	63.8°C	63.7°C	6	O/P C9	Ltec 100uF/63V 105°C LZG 8*16	44.9°C	43.9°C	58.0°C	59.3°C	59.7°C	7	O/P D4	FR104	58.4°C	56.8°C	71.0°C	73.0°C	72.0°C	8	T1	EE-17	68.0°C	64.3°C	78.8°C	82.2°C	80.7°C	9	CASE	UPON CERTER	48.1°C	47.1°C	62.8°C	64.2°C	65.6°C	
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**SAFETY & E.M.C TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	SAFETY STANDARDS	TUV: Certificate NO : S 50064872 UL: File NO : E206808			P
2	HARMONIC	IEC61000-3-2 CLASS A	I/P:230VAC / 50HZ O/P:FULL LOAD Ta:25°C	PASS	P
3	CONDUCTION	EN55022 CLASS B	I/P:230VAC (50HZ) O/P:FULL LOAD Ta:25°C	PASS	P
4	RADIATION	EN55022 CLASS B	I/P:230VAC (50HZ) O/P:FULL LOAD Ta:25°C	PASS	P
5	E.S.D	IEC61000-4-2 LIGHT INDUSTRY AIR:8KV / Contact:4KV	I/P:230VAC/50HZ O/P:FULL LOAD Ta:25°C	CRITERIA A	P
6	E.F.T	IEC61000-4-4 LIGHT INDUSTRY INPUT: 1KV	I/P:230VAC/50HZ O/P:FULL LOAD Ta:25°C	CRITERIA A	P
7	SURGE	IEC61000-4-5 LIGHT INDUSTRY L-N :1KV	I/P:230VAC/50HZ O/P:FULL LOAD Ta:25°C	CRITERIA A	P
8	WITHSTAND VOLTAGE	I/P-O/P:4242VDC/min	I/P-O/P:4242VDC/min Ta:25°C	I/P-O/P:0.02mA NO DAMAGE	P
9	ISOLATION RESISTANCE	I/P-O/P:500VDC>50MΩ	I/P-O/P:500VDC Ta:25°C	I/P-O/P:>100MΩ NO DAMAGE	P

**OTHER**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	CAPACITOR LIFE CYCLE	SUPPOSE C8 IS THE MOST CRITICAL COMPONENT I/P:230 VAC O/P:FULL LOAD Ta=25°C LIFE TIME=254231HRS I/P:230 VAC O/P:FULL LOAD Ta=40°C LIFE TIME=103250HRS I/P:230 VAC O/P:70% LOAD Ta=50°C LIFE TIME=51625HRS			P
2	MTBF	MIL-HDBK-217F NOTICES2 PARTS COUNT TOTAL FAILURE RATE: 1.850090 M.T.B.F: 540514HRS			P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2007.1.25	GS06x-8	PASS	T.K.CHENG	MAX LIN