

Model : SCW08B-05 8W  
+5V / 1600mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	-2%~+2%	I/P: 24VDC O/P:50% LOAD Ta:25°C	-0.34%	P
2	RIPPLE & NOISE	100mVp-p	I/P:24VDC O/P:FULL LOAD Ta:25°C	45mVp-p	P
3	LINE REGULATION	-1.0%~+1.0%	I/P:18VDC ~36VDC O/P:FULL LOAD Ta:25°C	-0.1%~+0.02%	P
4	LOAD REGULATION	-0.5%~+0.5%	I/P:24VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.12%~+0.1%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	18VDC~36VDC	I/P:TESTING O/P:FULL LOAD Ta:25°C	16.2V~36Vdc	P
2	EFFICIENCY	78% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	81.6%	P
3	INPUT CURRENT	426mA FULL LOAD (Max.) 25mA NO LOAD (Typ.)	I/P:24VDC O/P:TEST Ta:25°C	407.4mA / FULL LOAD 3.8mA / NO LOAD	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	120%~180%(Typ)	I/P:24VDC O/P:TESTING Ta:25°C	129% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:36VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 3HRS I/P:24VDC O/P: FULL LOAD Ta= 24.2°C 2. HIGH AMBIENT BURN-IN : 21HRS I/P:24VDC O/P: FULL LOAD Ta= 77°C			P							
		<table border="1"> <thead> <tr> <th>Position</th> <th>P/N</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>CENTER</td> <td>52.8°C</td> <td>102.4°C</td> </tr> </tbody> </table>		Position		P/N	1	2	CASE	CENTER	52.8°C	102.4°C
Position	P/N	1	2									
CASE	CENTER	52.8°C	102.4°C									
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 3 HOURS	I/P:24VDC O/P: 100% LOAD Ta= -40°C	TEST : OK	P							

**SAFETY TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1000 VDC/min	I/P-O/P:1000 VDC/min Ta:25°C	I/P-O/P: 0.02mA NO DAMAGE	P
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ	I/P-O/P:500 VDC Ta:25°C	I/P-O/P>100MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2007.3.7	SCW08B-05	PASS	T.K.CHENG	MAX LIN