

Model : SCW12A-12 12W  
+12V / 1000mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	-2%~+2%	I/P: 12VDC O/P:50% LOAD Ta:25°C	+0.01%	P
2	RIPPLE & NOISE	60mVp-p	I/P:12VDC O/P:FULL LOAD Ta:25°C	13mVp-p	P
3	LINE REGULATION	-0.5%~+0.5%	I/P:98VDC ~18VDC O/P:FULL LOAD Ta:25°C	-0.01%~+0.1%	P
4	LOAD REGULATION	-0.5%~+0.5%	I/P:12VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.19%~+0.25%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	9VDC-18VDC	I/P:TESTING O/P:FULL LOAD Ta:25°C	8.5V-36Vdc	P
2	EFFICIENCY	82% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	85.14%	P
3	INPUT CURRENT	1245mA FULL LOAD (Max.) 70mA NO LOAD (Typ.)	I/P:12VDC O/P:TESTING Ta:25°C	1172mA / FULL LOAD 25mA / NO LOAD	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~180%(Typ)	I/P:12VDC O/P:TESTING Ta:25°C	167% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:18VDC O/P:SHORT Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

**CONTROL FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	REMOTE CONTROL	YES R.C - -Vin	I/P:12VDC O/P:FULL LOAD Ta:25°C	POWER ON : R.C > 2.5VDC OR OPEN POWER OFF : R.C < 2.5VDC OR SHORT	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: FULL LOAD Ta= 26.0°C 2. HI AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: FULL LOAD Ta= 70.0°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>65.1°C</td> <td>106.0°C</td> </tr> </tbody> </table>	Position	P/N		1	2	CASE	CENTER	65.1°C	106.0°C	
Position	P/N	1	2									
CASE	CENTER	65.1°C	106.0°C									
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:12VDC O/P:100% LOAD Ta= -40°C	TEST : OK	P							
3	HIGH TEMPERATURE BURN IN TEST	NO DAMAGE	I/P:12VDC O/P:100% LOAD Ta= 60°C	TEST : OK	P							

**SAFETY TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1500 VDC/min	I/P-O/P:1500 VDC/min Ta:25°C	I/P-O/P: 0.002mA 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

**E.M.C TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	RADIATION	EN55022 CLASS A	I/P:12VDC O/P:FULL LOAD Ta:25°C	PASS	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2008.3.12	0804R	PASS	PETER	T.K.CHENG