

Model : SCW12A-05 12W  
+5V / 480~2400mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	-2%~+2% (Max.)	I/P: 12VDC O/P:50% LOAD Ta:25°C	-0.72%	P
2	RIPPLE & NOISE	50mVp-p (Max.)	I/P:12VDC O/P:FULL LOAD Ta:25°C	20mVp-p	P
3	LINE REGULATION	-0.5%~+0.5% (Max.)	I/P:9VDC ~18VDC O/P:FULL LOAD Ta:25°C	-0.22%~+0.04%	P
4	LOAD REGULATION	-0.5%~+0.5% (Max.)	I/P:12VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.02%~+0.06%	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	8.52VDC-18VDC	P
2	EFFICIENCY	82% (Typ.)	I/P:12VDC O/P:FULL LOAD Ta:25°C	85.62%	P
3	INPUT CURRENT	1245mA FULL LOAD (Max.) 70mA NO LOAD (Typ.)	I/P:12VDC O/P:NO / FULL LOAD Ta:25°C	1159mA / FULL LOAD 73mA / 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	146% 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	POWER ON R.C ~ -Vin > 4VDC OR OPEN POWER OFF R.C ~ -Vin < 1VDC OR SHORT	I/P:12VDC O/P:FULL LOAD Ta:25°C	POWER ON : > 2.59VDC OR OPEN POWER OFF : < 2.55VDC OR SHORT	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
2009.5.6	SAMPLE (0820R)	PASS	PETER	VINCENT ZENG