

Model : SCW12A-15 12W
+15V / 160~800mA

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	+0.83%	P
2	RIPPLE & NOISE	60mVp-p (Max.)	I/P:12VDC O/P:FULL LOAD Ta:25°C	30mVp-p	P
3	LINE REGULATION	-0.5%~+0.5% (Max.)	I/P:9VDC ~18VDC O/P:FULL LOAD Ta:25°C	-0.01%~+0.01%	P
4	LOAD REGULATION	-0.5%~+0.5% (Max.)	I/P:12VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.02%~+0.02%	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	8.45VDC-18VDC	P
2	EFFICIENCY	82% (Typ.)	I/P:12VDC O/P:FULL LOAD Ta:25°C	86.84%	P
3	INPUT CURRENT	1245mA FULL LOAD (Max.) 70mA NO LOAD (Typ.)	I/P:12VDC O/P:NO / FULL LOAD Ta:25°C	1161mA / FULL LOAD 23mA / 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	157% 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 : > 2.32VDC OR OPEN POWER OFF : < 2.32VDC 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
2009.3.12	SAMPLE (0820R)	PASS	PETER	VINCENT ZENG