

Model : SCW12C-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: 48VDC O/P:50% LOAD Ta:25°C	+0.45%	P
2	RIPPLE & NOISE	60mVp-p (Max.)	I/P:48VDC O/P:FULL LOAD Ta:25°C	20mVp-p	P
3	LINE REGULATION	-0.5%~+0.5% (Max.)	I/P:36VDC ~72VDC O/P:FULL LOAD Ta:25°C	-0%~+0.02%	P
4	LOAD REGULATION	-0.5%~+0.5% (Max.)	I/P:48VDC O/P: MIN ~FULL LOAD Ta:25°C	-0%~+0.02%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	36VDC~72VDC	I/P:TESTING O/P:FULL LOAD Ta:25°C	31.64VDC~72VDC	P
2	EFFICIENCY	83% (Typ.)	I/P:48VDC O/P:FULL LOAD Ta:25°C	86.597%	P
3	INPUT CURRENT	320mA FULL LOAD (Max.) 25mA NO LOAD (Typ.)	I/P:48VDC O/P:NO / FULL LOAD Ta:25°C	290mA / FULL LOAD 7mA / NO LOAD	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~180% (Typ.)	I/P:48VDC O/P:TESTING Ta:25°C	167.5% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:72VDC 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:48VDC O/P:FULL LOAD Ta:25°C	POWER ON : > 3.39VDC OR OPEN POWER OFF : < 3.24VDC 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:48VDC O/P:FULL LOAD Ta:25°C	PASS	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2009.5.7	SAMPLE (0820R)	PASS	PETER	VINCENT ZENG