

Model : SCW12C-05 12W
+5V / 2400mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	-2%~+2%	I/P: 48VDC I/P:50% LOAD Ta:25°C	-0.02%	P
2	RIPPLE & NOISE	50mVp-p	I/P:48VDC O/P:FULL LOAD Ta:25°C	22mVp-p	P
3	LINE REGULATION	-0.5%~+0.5%	I/P:36VDC ~72VDC O/P:FULL LOAD Ta:25°C	-0.04%~+0.02%	P
4	LOAD REGULATION	-0.5%~+0.5%	I/P:48VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.1%~+0.1%	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	33V~72VDC	P
2	EFFICIENCY	84% (Typ)	I/P:48VDC O/P:FULL LOAD Ta:25°C	85.77%	P
3	INPUT CURRENT	320mA / FULL LOAD (Max.) 25mA / NO LOAD (Typ.)	I/P:48VDC O/P:TESTING Ta:25°C	291mA / FULL LOAD 29mA / 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	135.4% 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	YES R.C ~ -Vin	I/P:48VDC O/P:FULL LOAD Ta:25°C	POWER ON : R.C > 3.3VDC OR OPEN POWER OFF : R.C < 3.3VDC 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:48VDC O/P: FULL LOAD Ta= 26.0°C 2. HI AMBIENT BURN-IN : 4HRS I/P:48VDC 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>52.7°C</td> <td>111.3°C</td> </tr> </tbody> </table>	Position	P/N		1	2	CASE	CENTER	52.7°C	111.3°C	
Position	P/N	1	2									
CASE	CENTER	52.7°C	111.3°C									
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:48VDC O/P:100% LOAD Ta= -40°C	TEST : OK	P							
3	HIGH TEMPERATURE BURN IN TEST	NO DAMAGE	I/P:48VDC 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:48VDC O/P:FULL LOAD Ta:25°C	PASS	P

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