

Model :SCW08A-05 8W
+5V / 1600mA

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	-1.12%	P
2	RIPPLE & NOISE	100mVp-p	I/P:12VDC O/P:FULL LOAD Ta:25°C	40mVp-p	P
3	LINE REGULATION	-1.0%~+1.0%	I/P:9VDC ~18VDC O/P:FULL LOAD Ta:25°C	-0.1%~+0.02%	P
4	LOAD REGULATION	-0.5%~+0.5%	I/P:12VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.4%~+0.36%	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	8.2V~18Vdc	P
2	EFFICIENCY	75% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	75.0%	P
3	INPUT CURRENT	888mA FULL LOAD 50mA NO LOAD	I/P:12VDC O/P:TEST Ta:25°C	880.9mA / FULL LOAD 8.9mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	120%~180%(Typ)	I/P:12VDC O/P:TESTING Ta:25°C	132.9% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:18VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT								
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 3HRS I/P:12VDC O/P: FULL LOAD Ta= 24.2°C 2. HIGH AMBIENT BURN-IN : 21HRS I/P:12VDC O/P: FULL LOAD Ta=77°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>61.0°C</td> <td>110.0°C</td> </tr> </tbody> </table>		Position	P/N	1	2	CASE	CENTER	61.0°C	110.0°C		
Position	P/N	1	2										
CASE	CENTER	61.0°C	110.0°C										
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 3 HOURS	I/P:12VDC O/P: 100% LOAD Ta= -40°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: 0.02mA 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

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2022.3.9	SCW08A-05	PASS	PETER CHENG	MAX LIN