

Model : SCW05B-05    5W    DC-DC    Single Output Converter  
 V1 : 5V / 100~1000mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:24VDC O/P:50% LOAD Ta:25°C	-0.1%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	20mV	P
3	LINE REGULATION	-0.2%~+0.2% (Max)	I/P:18VDC~36VDC O/P:FULL LOAD Ta:25°C	-0.1%~+0%	P
4	LOAD REGULATION	-0.2%~+0.2% (Max)	I/P:24VDC O/P:MIN~FULL LOAD Ta:25°C	-0.13%~+0.2%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	18VDC~36VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	10V~36V	P
2	EFFICIENCY	77% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	80.3%	P
3	DC CURRENT	270mA FULL LOAD (Max) 20mA NO LOAD	I/P:24VDC O/P:FULL LOAD Ta:25°C	259.1 mA 3.2 mA	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:24VDC O/P:TESTING Ta:25°C	225% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:24VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT					
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:24VDC O/P:FULL LOAD Ta=25°C			P					
		<table border="1"> <tr> <td>Position</td> <td>P/N</td> <td>TEMP Ta=25°C</td> </tr> <tr> <td>CASE</td> <td>SCW05B-05</td> <td>45.0°C</td> </tr> </table>	Position	P/N		TEMP Ta=25°C	CASE	SCW05B-05	45.0°C	
Position	P/N	TEMP Ta=25°C								
CASE	SCW05B-05	45.0°C								
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 1.5 HOURS	I/P:24VDC O/P: 100% LOAD Ta= -40°C	TEST : OK	P					
3	HIGH TEMPERATURE BURN IN TEST	CONTROL Ta=71°C NO DAMAGE	I/P:24VDC O/P:FULL LOAD Ta=71°C	TEST : OK	P					

**SAFETY TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1KVDC/min	I/P-O/P:1KVDC/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:500VDC Ta:25°C	I/P-O/P:23GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2004.4.26	SCW05B-05	PASS	T.K.CHENG	MAX LIN