

Model : SCW05C-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:48VDC O/P:50% LOAD Ta:25°C	-0.2%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	20mV	P
3	LINE REGULATION	-0.2%~+0.2% (Max)	I/P:36VDC~72VDC O/P:FULL LOAD Ta:25°C	-0.1%~+0.1%	P
4	LOAD REGULATION	-0.2%~+0.2% (Max)	I/P:48VDC O/P:MIN~FULL LOAD Ta:25°C	-0.14%~+0.1%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	36VDC~72VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	26V~72V	P
2	EFFICIENCY	77% (Typ)	I/P:48VDC O/P:FULL LOAD Ta:25°C	80.6%	P
3	DC CURRENT	135mA FULL LOAD (Max) 10mA NO LOAD (Typ)	I/P:48VDC O/P:FULL LOAD Ta:25°C	128.5mA 1.7mA	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:48VDC O/P:TESTING Ta:25°C	208% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:48VDC 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:48VDC O/P:FULL LOAD Ta=25°C	<table border="1"> <thead> <tr> <th>Position</th> <th>P/N</th> <th>TEMP Ta=25°C</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>SCW05C-05</td> <td>46.4°C</td> </tr> </tbody> </table>	Position	P/N	TEMP Ta=25°C	CASE	SCW05C-05	46.4°C		P
Position	P/N	TEMP Ta=25°C									
CASE	SCW05C-05	46.4°C									
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 1.5 HOURS	I/P:48VDC O/P: 100% LOAD Ta= -40°C	TEST : OK	P						
3	HIGH TEMPERATURE BURN IN TEST	CONTROL Ta=71°C NO DAMAGE	I/P:48VDC 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:30GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2004.4.26	SCW05C-05	PASS	T.K.CHENG	MAX LIN