

Model : SLW05B-12 5W DC-DC Single Output Converter
 V1 : 12V / 41.7~417mA

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	+0.5%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	15mV	P
3	LINE REGULATION	-0.2%~+0.2% (Max)	I/P:18VDC~36VDC O/P:FULL LOAD Ta:25°C	-0%~+0%	P
4	LOAD REGULATION	-0.5%~+0.5% (Max)	I/P:24VDC O/P:MIN~FULL LOAD Ta:25°C	-0%~+0%	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	11.2V~36V	P
2	EFFICIENCY	80% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	80.0%	P
3	DC CURRENT	270mA (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	264mA	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	171% 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
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1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 52HRS I/P:24VDC O/P:FULL LOAD Ta=25°C				P
			Position	P/N	TEMP Ta=25°C	
			CASE	SLW05B-12	42.2°C	

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
2003.7.17	SLW05B-12	PASS	FRANK.CHEN	MAX LIN