

Model : SUS01L-09    1W    DC-DC    Unregulated Single Output Converter  
 V1 : 9V / 0~111mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:5VDC O/P:FULL LOAD Ta:25°C	-0.3%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:5VDC O/P:FULL LOAD Ta:25°C	33mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:4.5VDC~5.5VDC O/P:FULL LOAD Ta:25°C	-12.0%~+11.7%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:5VDC O/P:20%~FULL LOAD Ta:25°C	-3.6%~+2.8%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	75% (Typ)	I/P:5VDC O/P:FULL LOAD Ta:25°C	80.2%	P
2	DC CURRENT	280mA (Max)	I/P:5VDC O/P:FULL LOAD Ta:25°C	264mA	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 12HRS I/P:5VDC O/P:FULL LOAD Ta=25°C			P							
		<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>SUS01L-09</td> <td>36.4°C</td> </tr> </tbody> </table>			Position	P/N	TEMP Ta=25°C	CASE	SUS01L-09	36.4°C		
Position	P/N	TEMP Ta=25°C										
CASE	SUS01L-09	36.4°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:7GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.23	SUS01L-09	PASS	FRANK.CHEN	MAX LIN