

Model : SUS01N-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:24VDC O/P:FULL LOAD Ta:25°C	-0.9%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	25mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:21.6VDC~26.4VDC O/P:FULL LOAD Ta:25°C	-11.3%~+11.1%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:24VDC O/P:20%~FULL LOAD Ta:25°C	-1.3%~+1.6%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	80% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	81.2%	P
2	DC CURRENT	57mA (Max)	I/P:5VDC O/P:FULL LOAD Ta:25°C	52mA	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT	
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 12HRS I/P:24VDC O/P:FULL LOAD Ta=25°C			P	
			Position	P/N		TEMP Ta=25°C
			CASE	SUS01N-09		34.8°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:18GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.23	SUS01N-09	PASS	FRANK.CHEN	MAX LIN