

Model : SUS01N-12    1W    DC-DC    Unregulated Single Output Converter  
 V1 : 12V / 0~84mA

**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	+0.5%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	23mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:21.6VDC~26.4VDC O/P:FULL LOAD Ta:25°C	-11.1%~+11.0%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:24VDC O/P:20%~FULL LOAD Ta:25°C	-1.3%~+2.5%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	83% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	83.0%	P
2	DC CURRENT	57mA (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	53mA	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 14HRS I/P:24VDC 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>SUS01N-12</td> <td>35.6°C</td> </tr> </tbody> </table>			Position	P/N	TEMP Ta=25°C	CASE	SUS01N-12	35.6°C		
Position	P/N	TEMP Ta=25°C										
CASE	SUS01N-12	35.6°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-12	PASS	FRANK.CHEN	MAX LIN