

Model : SUS01M-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:12VDC O/P:FULL LOAD Ta:25°C	+0.8%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	35mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:10.8VDC~13.2VDC O/P:FULL LOAD Ta:25°C	-10.84%~+11.5%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:12VDC O/P:20%~FULL LOAD Ta:25°C	-1.82%~+1.74%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	82% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	81.4%	P
2	DC CURRENT	112mA (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	107mA	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 20HRS I/P:12 VDC 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>SUS01M-12</td> <td>36.2°C</td> </tr> </tbody> </table>			Position	P/N	TEMP Ta=25°C	CASE	SUS01M-12	36.2°C		
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CASE	SUS01M-12	36.2°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:11GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.17	SUS01M-12	PASS	FRANK.CHEN	MAX LIN