

Model : SUS01M-15 1W DC-DC Unregulated Single Output Converter  
 V1 : 15V / 0~67mA

**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	-0.1%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	25mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:10.8VDC~13.2VDC O/P:FULL LOAD Ta:25°C	-10.9%~+10.9%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:12VDC O/P:20%~FULL LOAD Ta:25°C	-1.5%~+1.4%	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	82.8%	P
2	DC CURRENT	112mA (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	104mA	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 14HRS 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-15</td> <td>35.4°C</td> </tr> </tbody> </table>			Position	P/N	TEMP Ta=25°C	CASE	SUS01M-15	35.4°C		
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CASE	SUS01M-15	35.4°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:17GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.21	SUS01M-15	PASS	FRANK.CHEN	MAX LIN