

Model : SUS01N-05

DC-DC

Unregulated Single Output Converter

V1 : 5V / 0~200mA

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	-1.4%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	33mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:21.6VDC~26.4VDC O/P:FULL LOAD Ta:25°C	-11.9%~+12.2%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:24VDC O/P:20%~FULL LOAD Ta:25°C	-2.4%~+2.4%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	72% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	77.0%	P
2	DC CURRENT	57mA (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	56mA	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							
		<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-05</td> <td>37.6°C</td> </tr> </tbody> </table>			Position	P/N	TEMP Ta=25°C	CASE	SUS01N-05	37.6°C		
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CASE	SUS01N-05	37.6°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-05	PASS	FRANK.CHEN	MAX LIN