

Quality Engineering Test Report

Model : SUS01N-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:24VDC O/P:FULL LOAD Ta:25°C	-0.1%	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	-10.9%~+10.8%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:24VDC O/P:20%~FULL LOAD Ta:25°C	-1.2%~+1.2%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	81% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	81.6%	P
2	DC CURRENT	57mA (Max)	I/P:5VDC 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	
			Position	P/N		TEMP Ta=25°C
			CASE	SUS01N-15		34.6°C

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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:15GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.23	SUS01N-15	PASS	FRANK.CHEN	MAX LIN