

Model : SUS010-12 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:48VDC O/P:FULL LOAD Ta:25°C	-1.4%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	20mV	P
3	LINE REGULATION	-12%~+12% (Typ)	I/P:43.2VDC~52.8VDC O/P:FULL LOAD Ta:25°C	-7.7%~+10.9%	P
4	LOAD REGULATION	-8%~+8% (Typ)	I/P:48VDC O/P:20%~FULL LOAD Ta:25°C	-0.8%~+0.8%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	83% (Typ)	I/P:48VDC O/P:FULL LOAD Ta:25°C	82.8%	P
2	DC CURRENT	28mA (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	26mA	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 15HRS I/P:48VDC O/P:FULL LOAD Ta=25°C			P

Position	P/N	TEMP Ta=25°C
CASE	SUS010-12	36.2°C



SAFETY TEST

NO	TEST ITEM	SPECIFICATION	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:29GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.24	SUS010-12	PASS	FRANK.CHEN	MAX LIN