

Model : SRS-2412    0.5W    DC-DC    Single Output Converter  
 V1 : 12V / 0~42mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:24VDC O/P:50% LOAD Ta:25°C	+1.7%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	13mV	P
3	LINE REGULATION	-1%~+1% (Max)	I/P:21.6VDC~26.4VDC O/P:FULL LOAD Ta:25°C	-1.0%~+0%	P
4	LOAD REGULATION	-1%~+1% (Max)	I/P:24VDC O/P:MIN~FULL LOAD Ta:25°C	-0.1 %~+0%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	21.6VDC~26.4VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	20.2V~26.4V	P
2	EFFICIENCY	65% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	65.3%	P
3	DC CURRENT	34mA (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	33mA	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:24VDC O/P:TESTING Ta:25°C	155% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:24VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4 HRS I/P:12VDC O/P:FULL LOAD Ta=25°C			P

Position	P/N	TEMP Ta=25°C
CASE	SRS-2412	37.9°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:14GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7.21	SRS-2412	NOTE:SPEC WEAK	FRANK.CHEN	MAX LIN