

Single Output Converter Model: SRS-4809 0.5W DC-DC

V1:9V/0~56mA

## **OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:48VDC O/P:50% LOAD Ta:25°C	+0.2%	Р
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	10mV	Р
3	LINE REGULATION	-1%~+1% (Max)	I/P:43.2VDC~52.8VDC O/P:FULL LOAD Ta:25°C	-0%~+0%	P
4	LOAD REGULATION	-1%~+1% (Max)	I/P:48VDC O/P:MIN~FULL LOAD Ta:25°C	-0.2%~+0%	Р

## **INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	43.2VDC~52.8vDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25℃	37.1V~52.8V	Р
2	EFFICIENCY	63% (Typ)	I/P:48 VDC O/P:FULL LOAD Ta:25℃	62.9%	Р
3	DC CURRENT	17mA (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	17mA	Р

## PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:48VDC O/P:TESTING Ta:25°C	294% Hiccup Mode Reset Auto Recovery	Р
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:48VDC O/P:FULL LOAD Ta:25℃	NO DAMAGE Hiccup Mode Reset Auto Recovery	Р



# DC-DC Module Type Regulated Single Output Converter

## **ENVIRONMENT TEST**

NO	TEST ITEM	SPECICA	ATION	TEST CONDITION	RESU	LT	VERDICT
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN: 15HRS  I/P:48VDC O/P:FULL LOAD Ta=25°C					
			Position	P/N	TEMP Ta=25°℃		Р
			CASE	SRS-4809	36.3℃		

## **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	Р
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ	I/P-O/P:500VDC Ta:25°C	I/P-O/P:17G <b>Ω</b> NO DAMAGE	Р

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2003.7	21 SRS-4809	PASS	FRANK.CHEN	MAX LIN