

Model : SRS-4812 0.5W DC-DC Single Output Converter
 V1 : 12V / 0~42mA

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	+1.0%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	10mV	P
3	LINE REGULATION	-1%~+1% (Max)	I/P:43.2VDC~52.8VDC O/P:FULL LOAD Ta:25°C	-0.1%~+0%	P
4	LOAD REGULATION	-1%~+1% (Max)	I/P:48VDC O/P:MIN~FULL LOAD Ta:25°C	-0%~+0.1%	P

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°C	38.5V~52.8V	P
2	EFFICIENCY	63% (Typ)	I/P:48 VDC O/P:FULL LOAD Ta:25°C	63.1%	P
3	DC CURRENT	17mA (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	17mA	P

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	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:48VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

