

Model : SPR01M-12    1W    DC-DC    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:12VDC O/P:50% LOAD Ta:25°C	+0.3%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	10mV	P
3	LINE REGULATION	-1%~+1% (Max)	I/P:10.8VDC~13.2VDC O/P:FULL LOAD Ta:25°C	-0.6%~+0.1%	P
4	LOAD REGULATION	-1%~+1% (Max)	I/P:12VDC O/P:MIN~FULL LOAD Ta:25°C	-0.1%~+0%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	10.8VDC~13.2VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	9.9V~13.2V	P
2	EFFICIENCY	62% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	63.2%	P
3	DC CURRENT	141mA (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	134mA	P

**PROTECTION FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:12VDC O/P:TESTING Ta:25°C	162% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:12VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

