

Model : SPR01N-05 1W DC-DC Single Output Converter
 V1 : 5V / 0~200mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:24VDC O/P:50% LOAD Ta:25°C	-1.0%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	10mV	P
3	LINE REGULATION	-1%~+1% (Max)	I/P:21.6VDC~26.4VDC O/P:FULL LOAD Ta:25°C	-0%~+0.2%	P
4	LOAD REGULATION	-1%~+1% (Max)	I/P:24VDC O/P:MIN~FULL LOAD Ta:25°C	-0.4%~+0.2%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	21.6VDC~26.4VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	19.8V~26.4V	P
2	EFFICIENCY	62% (Typ)	I/P:24 VDC O/P:FULL LOAD Ta:25°C	64.3%	P
3	DC CURRENT	67mA (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	65mA	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:24VDC O/P:TESTING Ta:25°C	129% 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

