

Model : SRS-0515 0.5W DC-DC Single Output Converter
V1 : 15V / 0~34mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:5VDC O/P:50% LOAD Ta:25°C	+0.6%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:5VDC O/P:FULL LOAD Ta:25°C	10mV	P
3	LINE REGULATION	-1%~+1% (Max)	I/P:4.5VDC~5.5VDC O/P:FULL LOAD Ta:25°C	-0%~+0%	P
4	LOAD REGULATION	-1%~+1% (Max)	I/P:5VDC 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	4.5VDC~5.5VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	4.1V~5.5V	P
2	EFFICIENCY	60% (Typ)	I/P:5VDC O/P:FULL LOAD Ta:25°C	59.8%	P
3	DC CURRENT	175mA (Max)	I/P:5VDC O/P:FULL LOAD Ta:25°C	171mA	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:5VDC O/P:TESTING Ta:25°C	185% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:5VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

