

Model : SPU02L-12 2W
12V / 167mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2%	I/P:5VDC O/P:FULL LOAD Ta:25°C	-1.77%	P
2	RIPPLE & NOISE	100mVp-p	I/P:5VDC O/P:FULL LOAD Ta:25°C	67mV	P
3	LINE REGULATION	-12%~+12%	I/P:4.5VDC-5.5VDC O/P:FULL LOAD Ta:25°C	-11.7%~+11.6%	P
4	LOAD REGULATION	-8%~+8%	I/P:5VDC O/P:20%-FULL LOAD Ta:25°C	-6.17%~+3.92%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	80% (Typ)	I/P:5VDC O/P:FULL LOAD Ta:25°C	81.1%	P
2	DC CURRENT	500mA FULL LOAD 45mA NO LOAD	I/P:5VDC O/P:FULL LOAD Ta:25°C	488.8 mA / FULL LOAD 43.0 mA / NO LOAD	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT								
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 3HRS I/P:5VDC O/P:FULL LOAD Ta=24.2°C 2. HIGH AMBIENT BURN-IN : 21HRS I/P:5VDC O/P:FULL LOAD Ta=77°C			P								
		<table border="1"> <thead> <tr> <th>Position</th> <th>CENTER</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>SPU02L-12</td> <td>50.5°C</td> <td>99.6°C</td> </tr> </tbody> </table>				Position	CENTER	1	2	CASE	SPU02L-12	50.5°C	99.6°C
Position	CENTER	1	2										
CASE	SPU02L-12	50.5°C	99.6°C										



SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1KVDC/min	I/P-O/P:3KVDC/min Ta:25°C	I/P-O/P:0.02mA NO DAMAGE	P
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ	I/P-O/P:500VDC Ta:25°C	I/P-O/P:>100MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2007.3.7	SPU02L-12	PASS	PETER CHENG	MAX LIN