

Model : SPU02N-05 2W
5V / 400mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2%	I/P:24VDC O/P:FULL LOAD Ta:25°C	1.48%	P
2	RIPPLE & NOISE	100mVp-p	I/P:24VDC O/P:FULL LOAD Ta:25°C	91mV	P
3	LINE REGULATION	-12%~+12%	I/P:21.6VDC~26.4VDC O/P:FULL LOAD Ta:25°C	-11.2%~+11.6%	P
4	LOAD REGULATION	-8%~+8%	I/P:24VDC O/P:20%~FULL LOAD Ta:25°C	-2.9%~+2.43%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	78% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	82.3%	P
2	DC CURRENT	107mA FULL LOAD 10mA NO LOAD	I/P:24VDC O/P:FULL LOAD Ta:25°C	102.6 mA / FULL LOAD 8.4 mA / NO LOAD	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT								
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 3HRS I/P:24VDC O/P:FULL LOAD Ta=24.2℃ 2. ROOM AMBIENT BURN-IN : 21HRS I/P:24VDC O/P:FULL LOAD Ta=77℃ <table><tr><td>Position</td><td>CENTER</td><td>1</td><td>2</td></tr><tr><td>CASE</td><td>SPU02N-05</td><td>50.3℃</td><td>103.3℃</td></tr></table>			Position	CENTER	1	2	CASE	SPU02N-05	50.3℃	103.3℃	P
Position	CENTER	1	2										
CASE	SPU02N-05	50.3℃	103.3℃										



SAFETY TEST

NO	TEST ITEM	SPECICATION	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	SPU02N-05	PASS	PETER CHENG	MAX LIN