

Model : NID30S24-05 12.5W
5V / 0~2.5A

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	+0.8%	P
2	RIPPLE & NOISE	100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	25mV	P
3	LINE REGULATION	-0.5%~+0.5% (Max)	I/P:20VDC~53VDC O/P:FULL LOAD Ta:25°C	-0% ~ +0%	P
4	LOAD REGULATION	-0.5%~+0.5% (Max)	I/P:24VDC O/P:MIN-FULL LOAD Ta:25°C	-0.02% ~ +0.04%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	20VDC~53VDC	I/P:TESTING O/P:FULL LOAD Ta:25°C	17VDC~53VDC	P
2	EFFICIENCY	91% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	91.30%	P
3	DC CURRENT	590 mA / FULL LOAD (Max) 15 mA / NO LOAD (Max)	I/P:24VDC O/P:NO / FULL LOAD Ta:25°C	575 mA / FULL LOAD 7 mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	120% ~ 220% (Typ)	I/P:24VDC O/P:TESTING Ta:25°C	182% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	YES	I/P:53VDC O/P:SHORT Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P



CONTROL FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	REMOTE CONTROL	POWER ON : 3.3VDC < R.C-COM < 12VDC OR OPEN OWER OFF : R.C-COM < 0.4VDC OR SHORT	I/P:24VDC O/P:NO LOAD Ta:25°C	POWER ON : 0.62VDC OR OPEN POWER OFF : 0.56VDC OR SHORT	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2009.3.10	PRODUCT SAMPLE	PASS	PETER	VINCENT ZENG