

Model : SKA15C-12

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-2%~+2% (Max)	I/P:48VDC O/P:50% LOAD Ta:25°C	-0.1%	P
2	RIPPLE & NOISE	60mVp-p (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	25mV	P
3	LINE REGULATION	-0.2%~+0.2% (Max)	I/P:36VDC~72VDC O/P:FULL LOAD Ta:25°C	-0%~+0%	P
4	LOAD REGULATION	-0.5%~+0.5% (Max)	I/P:48VDC O/P:MIN~FULL LOAD Ta:25°C	-0.1%~+0.1%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	36VDC~72VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	30.1V~72V	P
2	EFFICIENCY	82% (Typ)	I/P:48VDC O/P:FULL LOAD Ta:25°C	85.4%	P
3	DC CURRENT	400mA (Typ.) FULL LOAD 15mA (Typ.) NO LOAD	I/P:48VDC O/P:FULL LOAD Ta:25°C	366mA / FULL LOAD 2mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~160% (Max)	I/P:48VDC O/P:TESTING Ta:25°C	139% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:48VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 14HRS I/P:48VDC O/P:FULL LOAD Ta=28.8°C 2. HIGH AMBIENT BURN-IN : 3HRS I/P:48VDC O/P:FULL LOAD Ta=61.2°C			P
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:48VDC O/P: 100% LOAD Ta= -10°C	TEST : OK	P

SAFETY TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1KVDC/min	I/P-O/P:1KVDC/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:30GΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2004.8.30	SKA15C-12	PASS	FRANK.CHEN	MAX LIN