

Model : SKA15C-05

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	-0.36%	P
2	RIPPLE & NOISE	50mVp-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	-0.18%~+0.14%	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	32V~72V	P
2	EFFICIENCY	80% (Typ)	I/P:48VDC O/P:FULL LOAD Ta:25°C	84.0%	P
3	DC CURRENT	400mA FULL LOAD (Max) 15mA NO LOAD	I/P:48VDC O/P:FULL LOAD Ta:25°C	369.1 mA 6.8 mA	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~160%	I/P:48VDC O/P:TESTING Ta:25°C	130% 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°C			P	
			Position	P/N		TEMP Ta=28°C
			CASE	SKA15C-05		50.2°C

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:>100MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2004.4.28	SKA15C-05	PASS	T.K.CHENG	MAX LIN