

Model : SKA15A-05 15W
 +5V / 3A

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	-2%~+2%	I/P: 12VDC O/P:50% LOAD Ta:25°C	-1.16%	P
2	RIPPLE & NOISE	50mVp-p	I/P:12VDC O/P:FULL LOAD Ta:25°C	34mVp-p	P
3	LINE REGULATION	-0.2%~+0.2%	I/P:9VDC ~18VDC O/P:FULL LOAD Ta:25°C	-0.02%~+0.02%	P
4	LOAD REGULATION	-0.5%~+0.5%	I/P:12VDC O/P: MIN ~FULL LOAD Ta:25°C	-0.46%~+0.32%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	9VDC-18VDC	I/P:TESTING O/P:FULL LOAD Ta:25°C	7.5V-18Vdc	P
2	EFFICIENCY	78% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	81.2%	P
3	INPUT CURRENT	1700mA FULL LOAD (Max.) 20mA NO LOAD (Typ.)	I/P:12VDC O/P:TEST Ta:25°C	1.52A / FULL LOAD 12mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~250%(Typ)	I/P:12VDC O/P:TESTING Ta:25°C	150.1% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:18VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT										
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: FULL LOAD Ta= 25.6°C 2. ROOM AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: FULL LOAD Ta= 60.1°C 3. ROOM AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: 80% LOAD Ta= 66.6°C			P										
		<table border="1"> <thead> <tr> <th>Position</th> <th>P/N</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>CENTER</td> <td>52.6°C</td> <td>92.6°C</td> <td>90.4°C</td> </tr> </tbody> </table>		Position	P/N	1	2	3	CASE	CENTER	52.6°C	92.6°C	90.4°C		
Position	P/N	1	2	3											
CASE	CENTER	52.6°C	92.6°C	90.4°C											
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 3 HOURS	I/P:12VDC O/P: 100% LOAD Ta= -40°C	TEST : OK	P										

SAFETY TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1000 VDC/min	I/P-O/P:1000 VDC/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:500 VDC Ta:25°C	I/P-O/P>100MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2008.1.9	STOCK	PASS	PETER	T.K.CHENG