

Model : DKA15A-05 15W
 V1 : +5V / 150~1500mA
 V2 : - 5V / 150~1500mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	V1:-2%~+2% (Max) V2: -2%~+2% (Max)	I/P:12VDC O/P:50% LOAD Ta:25°C	V1:-0.6% V2:-0.6%	P
2	RIPPLE & NOISE	V1:50mVp-p (Max) V2:50mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	V1:13mV V2:13mV	P
3	LINE REGULATION	V1:-0.2%~+0.2% (Max) V2:-0.2%~+0.2% (Max)	I/P:9VDC~18VDC O/P:FULL LOAD Ta:25°C	V1:-0%~+0.1% V2:-0%~+0.1%	P
4	LOAD REGULATION	V1:-0.5%~+0.5% (Max) V2:-0.5%~+0.5% (Max)	I/P:12VDC O/P:MIN-FULL LOAD Ta:25°C	V1:-0%~+0.1% V2:-0.1%~+0.1%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	9VDC~18VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	7.9V~18V	P
2	EFFICIENCY	80% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	79.6%	P
3	DC CURRENT	30mA (Typ) NO LOAD 1600mA (Typ) FULL LOAD	I/P:12VDC O/P:NO LOAD ~ FULL LOAD Ta:25°C	13mA / NO LOAD 1560mA / FULL LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~250% (Max)	I/P:12VDC O/P:TESTING Ta:25°C	134% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:12VDC 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 : 4HRS I/P:12VDC O/P:FULL LOAD Ta=26.3°C 2. HIGH AMBIENT BURN-IN : 5HRS I/P:12VDC O/P:FULL LOAD Ta=61.9°C											
		<table border="1"> <thead> <tr> <th>Position</th> <th>P/N</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>CENTER</td> <td>62.4°C</td> <td>80.4°C</td> </tr> </tbody> </table>		Position	P/N	1	2	CASE	CENTER	62.4°C	80.4°C		P
Position	P/N	1	2										
CASE	CENTER	62.4°C	80.4°C										
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 3 HOURS	I/P:12VDC O/P: 100% LOAD Ta= -25°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
2004.9.23	DKA15A-05	PASS	FRANK.CHEN	MAX LIN