

Model : DKA15A-15 15W  
 V1 : +15V / 50~500mA  
 V2 : - 15V / 50~500mA

**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:-0.78%	P
2	RIPPLE & NOISE	V1:60mVp-p (Max) V2:60mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	V1:34mV V2:38mV	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:-0.04%~+0.04% V2:-0.04%~+0.02%	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:-0.03%~+0.03% V2:-0.06%~+0.06%	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	7.8V-18V	P
2	EFFICIENCY	83% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	81.6%	P
3	DC CURRENT	30mA (Typ) NO LOAD 1600mA (Typ) FULL LOAD	I/P:12VDC O/P:NO LOAD ~ FULL LOAD Ta:25°C	33.2mA / NO LOAD 1525mA / 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	118% 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=26.9°C 2. HIGH AMBIENT BURN-IN : 3HRS I/P:12VDC O/P:FULL LOAD Ta=63.7°C			P							
		<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>57.9°C</td> <td>87.7°C</td> </tr> </tbody> </table>	Position	P/N		1	2	CASE	CENTER	57.9°C	87.7°C	
Position	P/N	1	2									
CASE	CENTER	57.9°C	87.7°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:>100MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2008.1.10	STOCK	PASS	PETER	T.K.CHENG