

Model : DKA15A-12 15W  
 V1 : +12V / 62.5~625mA  
 V2 : - 12V / 62.5~625mA

**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% V2:-0.1%	P
2	RIPPLE & NOISE	V1:60mVp-p (Max) V2:60mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	V1:18mV V2:15mV	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%~+0.2% V2:-0.2%~+0%	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%~+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	7.5V~18V	P
2	EFFICIENCY	83% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	82.4%	P
3	DC CURRENT	30mA (Typ) NO LOAD 1600mA (Typ) FULL LOAD	I/P:12VDC O/P:NO LOAD ~ FULL LOAD Ta:25°C	22mA / NO LOAD 1515mA / 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	120% 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			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>59.4°C</td> <td>79.5°C</td> </tr> </tbody> </table>	Position	P/N		1	2	CASE	CENTER	59.4°C	79.5°C	
Position	P/N	1	2									
CASE	CENTER	59.4°C	79.5°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-12	PASS	FRANK.CHEN	MAX LIN