

Model : DCW12B-15 12W
 V1:+15V / 400mA
 V2:-15V / 400mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	V1 : -2%~+2% V2 : -2%~+2%	I/P: 24VDC O/P:50% LOAD Ta:25°C	V1 : -0.58% V2 : -0.59%	P
2	RIPPLE & NOISE	V1 : 60mVp-p V2 : 60mVp-p	I/P:24VDC O/P:FULL LOAD Ta:25°C	V1 : 20mVp-p V2 : 26mVp-p	P
3	LINE REGULATION	V1 : -0.5%~+0.5% V2 : -0.5%~+0.5%	I/P:18VDC ~36VDC O/P:FULL LOAD Ta:25°C	V1 : -0.03%~+0% V2 : -0.03%~+0%	P
4	LOAD REGULATION	V1 : -0.5%~+0.5% V2 : -0.5%~+0.5%	I/P:24VDC O/P: MIN ~FULL LOAD Ta:25°C	V1 : -0%~+0.07% V2 : -0.04%~+0.02%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	18VDC~36VDC	I/P:TESTING O/P:FULL LOAD Ta:25°C	16.5V~36Vdc	P
2	EFFICIENCY	84% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	86.8%	P
3	INPUT CURRENT	625mA / FULL LOAD (Max.) 35mA / NO LOAD (Typ.)	I/P:24VDC O/P:TESTING Ta:25°C	572mA / FULL LOAD 18mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~180%(Typ)	I/P:24VDC O/P:TESTING Ta:25°C	154.7% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:36VDC O/P:SHORT Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

CONTROL FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	REMOTE CONTROL	YES R.C ~ -Vin	I/P:24VDC O/P:FULL LOAD Ta:25°C	POWER ON : R.C > 2.5VDC OR OPEN POWER OFF : R.C < 2.5VDC OR SHORT	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT							
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:24VDC O/P: FULL LOAD Ta= 26.0°C 2. HI AMBIENT BURN-IN : 4HRS I/P:24VDC O/P: FULL LOAD Ta= 70.0°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>49.5°C</td> <td>92.0°C</td> </tr> </tbody> </table>	Position	P/N		1	2	CASE	CENTER	49.5°C	92.0°C	
Position	P/N	1	2									
CASE	CENTER	49.5°C	92.0°C									
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:24VDC O/P:100% LOAD Ta= -40°C	TEST : OK	P							
3	HIGH TEMPERATURE BURN IN TEST	NO DAMAGE	I/P:24VDC O/P:100% LOAD Ta= 60°C	TEST : OK	P							

SAFETY TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1500 VDC/min	I/P-O/P:1500 VDC/ 1 min Ta:25°C	I/P-O/P: 0.002mA 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

E.M.C TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	RADIATION	EN55022 CLASS A	I/P:24VDC O/P:FULL LOAD Ta:25°C	PASS	PASS

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2008.6.6	0814R	PASS	PETER	CHENG