

Model : DCW08A-12 8W
V1:+12V / 66~335mA
V2:-12V / 66~335mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	V1 : -2%~+2% (Max.) V2 : -2%~+2% (Max.)	I/P: 12VDC O/P:50% LOAD Ta:25℃	V1 : -0.03% V2 : -0.05%	P
2	RIPPLE & NOISE	V1 : 60mVp-p (Max.) V2 : 60mVp-p (Max.)	I/P:12VDC O/P:FULL LOAD Ta:25℃	V1 : 14mVp-p V2 : 18mVp-p	P
3	LINE REGULATION	V1 : -0.5%~+0.5% (Max.) V2 : -0.5%~+0.5% (Max.)	I/P:9VDC ~18VDC O/P:FULL LOAD Ta:25℃	V1 : -0%~+0% V2 : -0.01%~+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℃	V1 : -0.01%~+0.02% V2 : -0.02%~+0.03%	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℃	8.4VDC~18VDC	P
2	EFFICIENCY	80% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25℃	86.527%	P
3	INPUT CURRENT	888mA / FULL LOAD (Max.) 50mA / NO LOAD (Max.)	I/P:12VDC O/P:NO / FULL LOAD Ta:25℃	774mA / FULL LOAD 16mA / 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℃	228% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:18VDC O/P:SHORT Ta:25℃	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

ENVIRONMENT TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT								
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: FULL LOAD Ta= 25°C 2. HI AMBIENT BURN-IN : 4HRS I/P:12VDC O/P: FULL LOAD Ta= 60°C <table><tr><td>Position</td><td>P/N</td><td>1</td><td>2</td></tr><tr><td>CASE</td><td>CENTER</td><td>49.4°C</td><td>81.5°C</td></tr></table>			Position	P/N	1	2	CASE	CENTER	49.4°C	81.5°C	P
Position	P/N	1	2										
CASE	CENTER	49.4°C	81.5°C										
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:12VDC O/P:FULL LOAD Ta= -25°C	TEST : OK	P								
3	HIGH TEMPERATURE BURN IN TEST	NO DAMAGE	I/P:12VDC O/P:FULL LOAD Ta= 60°C	TEST : OK	P								

SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1K VDC/min	I/P-O/P:1K VDC/ 1 min Ta:25℃	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℃	I/P-O/P>100MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2009.3.9	STOCK(0812R)	PASS	PETER	VINCENT ZENG