

Model : DCW08B-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: 24VDC O/P: 50% LOAD Ta: 25°C	V1 : -0.58% V2 : -0.33%	P
2	RIPPLE & NOISE	V1 : 60mVp-p (Max.) V2 : 60mVp-p (Max.)	I/P: 24VDC O/P: FULL LOAD Ta: 25°C	V1 : 20mVp-p V2 : 20mVp-p	P
3	LINE REGULATION	V1 : -0.5%~+0.5% (Max.) V2 : -0.5%~+0.5% (Max.)	I/P: 18VDC ~36VDC O/P: FULL LOAD Ta: 25°C	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: 24VDC O/P: MIN ~FULL LOAD Ta: 25°C	V1 : -0.01%~+0.02% V2 : -0.01%~+0.01%	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	16.4VDC~36VDC	P
2	EFFICIENCY	80% (Typ)	I/P: 24VDC O/P: FULL LOAD Ta: 25°C	86.38%	P
3	INPUT CURRENT	426mA / FULL LOAD (Max.) 25mA / NO LOAD (Max.)	I/P: 24VDC O/P: NO / FULL LOAD Ta: 25°C	386mA / FULL LOAD 15mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~250% (Typ)	I/P: 24VDC O/P: TESTING Ta: 25°C	213% 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

ENVIRONMENT TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT								
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 4HRS I/P:24VDC O/P: FULL LOAD Ta= 25°C 2. HI AMBIENT BURN-IN : 3HRS I/P:24VDC 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>45.9°C</td><td>70.1°C</td></tr></table>			Position	P/N	1	2	CASE	CENTER	45.9°C	70.1°C	P
Position	P/N	1	2										
CASE	CENTER	45.9°C	70.1°C										
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:24VDC O/P:FULL LOAD Ta= -25°C	TEST : OK	P								
3	HIGH TEMPERATURE BURN IN TEST	NO DAMAGE	I/P:24VDC 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
2009.3.12	STOCK(0832R)	PASS	PETER	VINCENT ZENG