

Model : DCW12B-12 12W
 V1: +12V / 100~500mA
 V2: -12V / 100~500mA

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 : +0.42% V2 : +0.39%	P
2	RIPPLE & NOISE	V1 : 60mVp-p (Max.) V2 : 60mVp-p (Max.)	I/P:24VDC O/P:FULL LOAD Ta:25°C	V1 : 50mVp-p V2 : 50mVp-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%~+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%~+0.02% V2 : -0%~+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	16.2VDC~36VDC	P
2	EFFICIENCY	84% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	87.31%	P
3	INPUT CURRENT	625mA / FULL LOAD (Max.) 35mA / NO LOAD (Max.)	I/P:24VDC O/P:NO / FULL LOAD Ta:25°C	575mA / FULL LOAD 17mA / 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	146% 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	POWER ON R.C ~ -Vin > 4VDC OR OPEN POWER OFF R.C ~ -Vin < 1VDC OR SHORT	I/P:24VDC O/P:FULL LOAD Ta:25°C	POWER ON : R.C > 2.3VDC OR OPEN POWER OFF : R.C < 2.3VDC OR SHORT	P

**SAFETY TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1KVDC/min	I/P-O/P:1KVDC/ 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	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	RADIATION	EN55022 CLASS A	I/P:24VDC O/P:FULL LOAD Ta:25°C	PASS	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2009.3.13	STOCK(0816R)	PASS	PETER	VINCENT ZENG