

Model : DCW12A-15 12W
 V1: +15V / 80~400mA
 V2: -15V / 80~400mA

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°C	V1 : -0.41% V2 : -0.5%	P
2	RIPPLE & NOISE	V1 : 60mVp-p (Max.) V2 : 60mVp-p (Max.)	I/P:12VDC O/P:FULL LOAD Ta:25°C	V1 : 30mVp-p V2 : 30mVp-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°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:12VDC O/P: MIN ~FULL LOAD Ta:25°C	V1 : -0%~+0.01% V2 : -0.02%~+0.02%	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°C	8.43VDC~18VDC	P
2	EFFICIENCY	83% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	87.54%	P
3	INPUT CURRENT	1245mA / FULL LOAD (Max.) 70mA / NO LOAD (Max.)	I/P:12VDC O/P:NO / FULL LOAD Ta:25°C	1137mA / FULL LOAD 31mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	110%~180% (Typ)	I/P:12VDC O/P:TESTING Ta:25°C	162.5% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:18VDC 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:12VDC O/P:FULL LOAD Ta:25°C	POWER ON : R.C > 2.4VDC OR OPEN POWER OFF : R.C < 2.4VDC OR SHORT	P



SAFETY TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:1.5K VDC/min	I/P-O/P:1.5K 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:12VDC O/P:FULL LOAD Ta:25°C	PASS	P

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