

Quality Engineering Test Report

SERIES: DLW05B 5W DC-DC DUAL OUTPUT CONVERTER

SAMPLE:	A.DLW05B-05	V1:+5V / 500mA
		V2: -5V / 500mA
	B.DLW05B-12	V1:+12V / 208mA
		V2: -12V / 208mA
	C.DLW05B-15	V1:+15V / 167mA
		V2: -15V / 167mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 18~36VDC O/P:FULL LOAD	A:11~36VDC	P
2	LINE REGULATION	I/P: 18~36VDC SPEC:0.2% O/P: FULL LOAD	A:V1: -0.2%~+0% V2: -0.2%~+0% B:V1: -0%~+0% V2: -0%~+0% C:V1: -0%~+0% V2: -0%~+0%	P
3	LOAD REGULATION	I/P: 24VDC SPEC: ±2% O/P:MIN. TO FULL LOAD	A:V1: -0%~+0% V2: -0%~+0% B:V1: -0%~+0% V2: -0%~+0% C:V1: -0%~+0.1% V2: -0%~+0%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 18~36VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A:V1: -3.4%~+3.8% V2: -3.4%~+4.0% B:V1: -1.2%~+1.2% V2: -1.3%~+1.2% C:V1: -1.2%~+0.9% V2: -1.4%~+0.6%	P
5	RIPPLE & NOISE	I/P: 24VDC SPEC: 100mV O/P:FULL LOAD	A: V1:30mV V2:30mV B: V1:20mV V2:20mV C: V1:10mV V2:10mV	P
6	DC INPUT CURRENT	I/P: 24VDC SPEC: NONE O/P:FULL LOAD	A:0.27A	P
7	OVER LOAD PROTECTION	I/P: 24VDC SPEC: NONE O/P:TESTING	A:184% B:195% C:225%	P
8	O/P VOLTAGE ACCURACY	I/P: 24VDC SPEC: ±2% O/P:MIN. LOAD	A: V1:-0.2% V2:-0.2% B: V1:+0.8% V2:+0.8% C: V1:-0.4% V2:-0.6%	P

NEXT

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT								
9	SET UP TIME	I/P:24VDC O/P:FULL LOAD SPEC: NONE	A:8.9mS	P								
10	EFFICIENCY	I/P: 24VDC O/P:FULL LOAD SPEC: 73%	A:77.1% B:80.2% C:78.0%	P								
11	INSULATION RESISTANCE	SPEC:I/P--O/P 500VDC/1000M Ohms MIN.	A:I/P--O/P >100M Ohms	P								
12	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-- O/P: 1000VDC/ 1 min (10mA CUT-OFF)	A:NO BREAK I/P--O/P :<0.02mA	P								
13	BURN-IN TEST	I/P:24VDC TA:24 °C O/P:FULL LOAD BURN-IN DURATION : 2 hrs	A:NO BREAK B:NO BREAK C:NO BREAK	P								
14	TEMPERATURE RISE TEST Trise OF PARTS	A:I/P :24VDC O/P :FULL LOAD TA:24 °C AFTER 4 hrs BURN-IN	<table border="1"> <thead> <tr> <th>POSITION</th> <th>SAMPLE</th> <th>TEMP</th> <th>Trise</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>DLW05B-05</td> <td>39.4°C</td> <td>15.4°C</td> </tr> </tbody> </table>	POSITION	SAMPLE	TEMP	Trise	CASE	DLW05B-05	39.4°C	15.4°C	P
POSITION	SAMPLE	TEMP	Trise									
CASE	DLW05B-05	39.4°C	15.4°C									
15	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	A: 1. PACKING : 上下夾泡棉外加紙盒包裝 2. MARKING : MODEL 3. MECHANICAL : SIX-SIDED SHIELD METAL CASE 4. DIMENSIONS : WXHXD=50.8X11.27X25.4mm										
DATE	SAMPLE	TEST RESULT	TEST	APPROVAL								
1998.12.04	DLW05B-05 DLW05B-12 DLW05B-15	PASS	T.K.CHENG	MAX LIN								

[PREVIOUS](#)