



MAG. LAYERS Scientific- Technics Co., Ltd.



MLB-201209-0040P-N1 Reliability Report

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DESCRIPTION

1. Mag.Layers Co., Ltd. is executing the testing process seriously, All the test data is attached.
2. To use the report in whole, can't be separated.
3. The report can't be used by other way.
4. The report is in vain when separately.
5. Please see the attached data for comparision and reference.



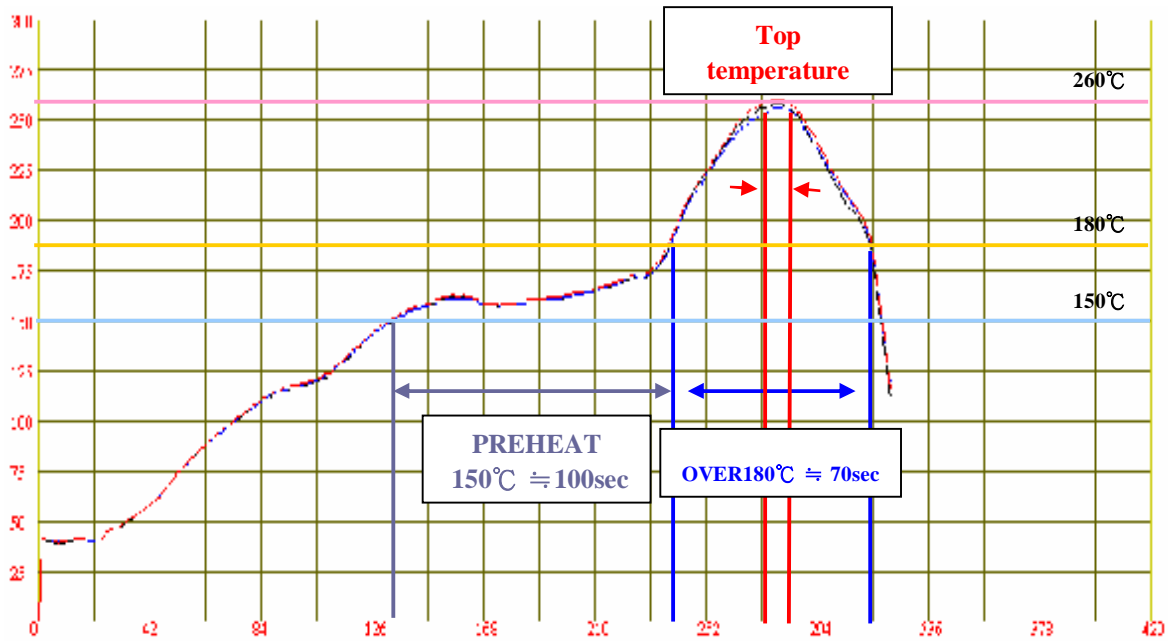
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REFLOW 260°C

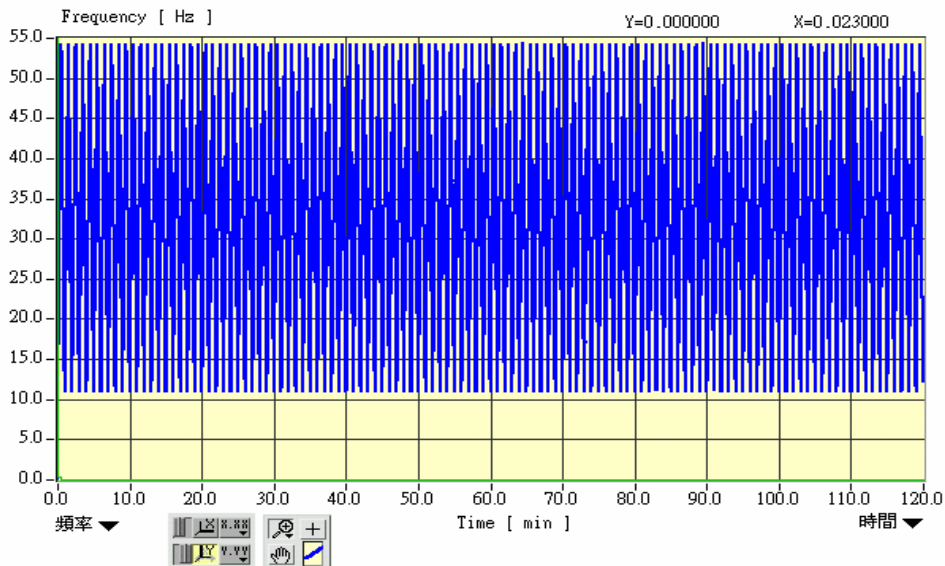
IR REFLOW 260°C (260°C ± 5°C/Time max 10sec)





VIBRATION TEST REPORT

1. Company Name : MAG. LAYERS Scientific-Technics Co., Ltd.
2. Date : Oct 20 2006
3. Lot No. : Experimentation
4. TIME : PM 06:02:36
5. Test type : Vibration Test
6. Test time : 120.0min
7. The beginning of Frequency : 10.0Hz
8. Vibration Mode : Linear Vibration Frequency test
9. The ending of Frequency : 55.0Hz
10. The amplitude of vibration : 1.5mm
11. Cycle times : 120.0cycles
12. Test times : 1.0min/cycle
13. Vibrate times : 3.510E+5cycles
14. Test Part No. : MLB-201209-0040P-N1



TESTER : kinway

TEST RESULT : OK



SAMPLES P/N	MLB-201209-0040P-N1		TEST CONDITION			
TESTED SAMPLES	30	PCS.	<ul style="list-style-type: none"> Operate TEMP(T1) : 25 °C Hasten TEMP(T2) : 85 °C 	Test Times	START	2006/9/06
TEST HRS	1000	HRS	<ul style="list-style-type: none"> Operate CURRENT(A1) : 4000 mA Hasten CURRENT(A2) : 4800 mA 		FINISHED	2006/10/18

PRODUCT SPECIFICATION & FAILURE DEFINITION	TEST RESULT
ΔL/L within ± 5 %	<ul style="list-style-type: none"> TEST RESULT = PASS A.F = (A2/A1) ^ 3 * 2 ^ ((T2-T1) / 10) = 110.59 TOTAL TEST HRS = 3,317,760 HRS. FIT(Failure In Time) = 693.24 (Failure / 10⁹ Hrs) CONFIDENT LEVEL 90% MTTF= 1,442,504 HRS.

TEST PROCEDURE INTERPRETATION :

1. The life test is not reach 10% failure

2. r= 0 pcs

r	TIME (HRS)	r	TIME (HRS)
r1		r6	
r2		r7	
r3		r8	
r4		r9	
r5		r10	

TEMP.	25	°C
R. H.	60	%

APPROVED BY : *Min*

PREPARED BY : *Kinway*