



MAG. LAYERS Scientific- Technics Co., Ltd.



MSCDRI - 127 - 101M  
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.





# CONTENTS

PAGE	TEST ITEM	REMARK
PAGE5	THERMAL SHOCK	1-10PCS
PAGE6	HUMIDITY RESISTANCE	11-20PCS
PAGE7	HIGH TEMPERATURE RESISTANCE	21-30PCS
PAGE8	LOW TEMPERATURE RESISTANCE	31-40PCS
PAGE9	REFLOW	
PAGE10	VIBRATION	
PAGE11	THE TEST REPORT OF VIBRATION	
PAGE12	MTBF	41-70
PAGE13	THE TEST REPORT OF MTBF	





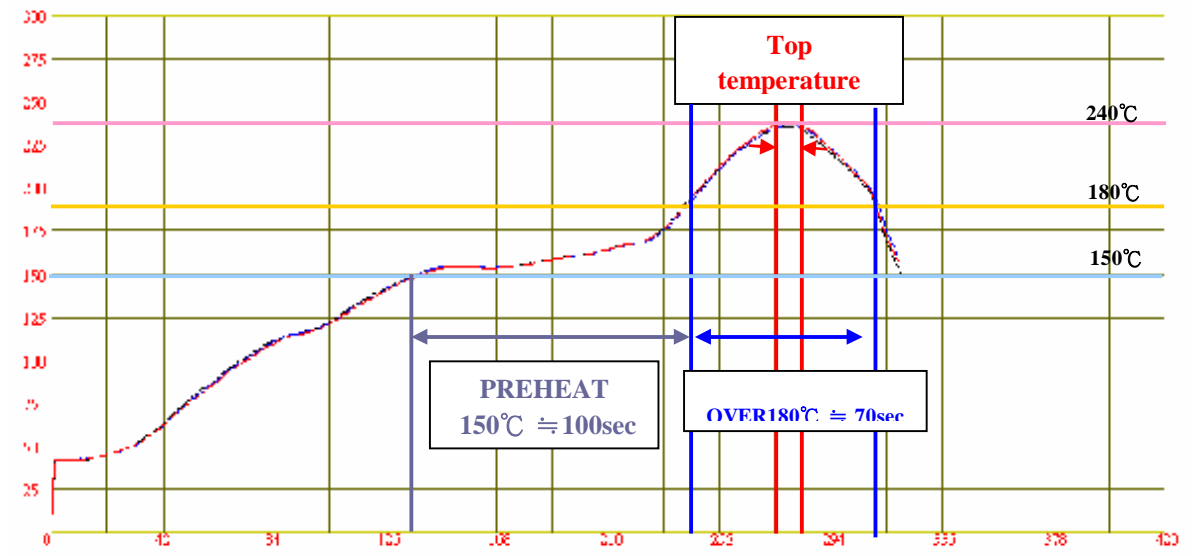






## REFLOW 240°C

IR REFLOW 240°C (240°C ± 5°C/Time max 10sec)

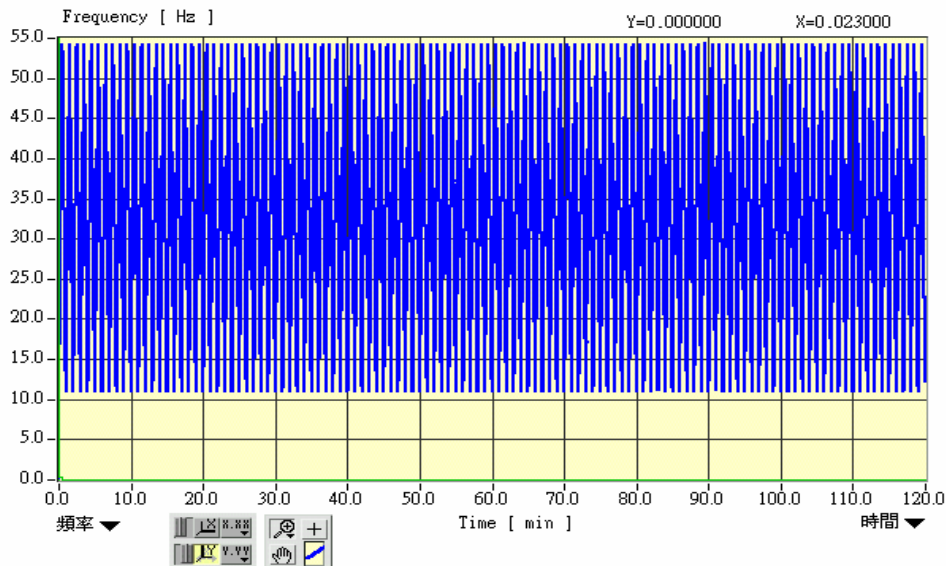






# VIBRATION TEST REPORT

1. Company Name : MAG. LAYERS Scientific-Technics Co., Ltd.
2. Date : May 20, 2006
3. Lot No. : Experimentation
4. TIME : PM 06:02:08
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. : MSCDRI-127-101M



TESTER : kinway

TEST RESULT : OK





SAMPLES P/N	MSCDRI-127-101M		TEST CONDITION			
TESTED SAMPLES	30	PCS.	<ul style="list-style-type: none"> <li>Operate TEMP(T1) : 25 °C</li> <li>Hasten TEMP(T2) : 85 °C</li> </ul>	Test Times	START	2006/06/01
TEST HRS	1000	HRS	<ul style="list-style-type: none"> <li>Operate CURRENT(A1) : 520 mA</li> <li>Hasten CURRENT(A2) : 630 mA</li> </ul>		FINISHED	2006/07/13

PRODUCT SPECIFICATION & FAILURE DEFINITION	TEST RESULT
ΔL/L within ± 5 %	<ul style="list-style-type: none"> <li>TEST RESULT = PASS</li> <li>A.F = ( A2/A1 ) ^ 3 * 2 Λ ( ( T2-T1 ) / 10 ) = 113.81</li> <li>TOTAL TEST HRS = 3,414,388 HRS.</li> <li>FIT(Failure In Time) = 673.62 (Failure / 10<sup>9</sup> Hrs)</li> <li>CONFIDENT LEVEL 90% MTTF= 1,484,516 HRS.</li> </ul>

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*