Report No.: /</=/>2???2????. Total Page: .2

# Reliability test report

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| Name /Model | SMDJ85CA | Quatity | 300PCS | Source | RD | Batch/Lot No. | FIN2120035 |
|---|---|---|---|---|---|---|---|
| Background | - | | | | | | |

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| Applicant | XiaoRui Zhang | Department | RD | Date | 2022.2.02 | Test category | Reliability Test |
|---|---|---|---|---|---|---|---|
| Test purpose | | | | | | | |

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| Reference standard | AEC-Q101/JESD-22 / GJB-128A |
|---|---|
| Test requirment | According to SPEC |

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| | Equipment name | Model | ID | Calibration date |
|---|---|---|---|---|
| | TVS Semiconductor tester | PTHY2900H | BPMS-3010028-118 | 1 ! "～ 2 ! $ |
| | TC Chamber | DNT-1518LA-ZK | BPMS-3010010-089 | 1 % !～ 2 % |
| | PCT Chamber | DL/75L | PMS-3040062-120 | 1 & '～ 2 & " |
| | Lead-free solder furnace | ZB1510D | PMS-229 | 1 % !— 2 % |
| | Lightning generator10/700μs | HGV-II | PMY-3040012-028 | 1 % '～ 20% " |

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| | Testing items | | | | |
|---|---|---|---|---|---|
| | High Remperature Storage Test | Temperature: 150 80%VDMAX Time:168h | | OK | |
| | High Temperature Storage Test | Temperature: 150 Time:168h | | OK | |
| | High-low Temperature Cycle test | Temperature: From -55 to 150 ,Dwell time 30min 100cycles | | OK | |
| | Pressure cooker Test | Temperature: 121 Humidity:100% 2atm time:96h | | OK | |
| | UHAST | Temperature: 130 Humidity:85% 2atm time:96h | | OK | |
| | Resistance of soldering heat | Temperature: 260±5 Time 10s | | OK | |
| | | 10/1000s :129A±10T | | OK | |
| Unqualified item description | | | | | |
| Conclusion | | OK | | | |

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