eurofins | MASER

TEMPERATURE AND HUMIDITY TEST SERVICE

- HIGH / LOW TEMPERATURE STEADY STATE
- IN-HOUSE THB / HAST BOARD DESIGN
- HIGH ACCELERATED STRESS TEST (HAST)
- TEMPERATURE HUMIDITY BIAS (THB)
- CYCLIC AND CONSTANT CLIMATE STRESS
- MOISTURE SENSITIVITY LEVEL PRECONDITIONING

TEMPERATURE AND HUMIDITY TEST SERVICE

HIGH / LOW TEMPERATURE, STEADY STATE

- Hot and cold air ventilation
- Stabilization Bake endurance test
- Wide range: Hot up to +350°C, cold down to -70°C
- Optional nitrogen purge for low oxygen tests
- Optional DC bias application to test objects
- Tests in compliance with EN ISO/IEC 17025 accreditation (*)

HIGH ACCELERATED STRESS TEST (HAST)

- Pressure cooker based unsaturated steam test
- Up to 72 DC bias connections and +140°C / 4 bar
- +130°C / 85%rh / bias for fast test compared to THB
- +110°C / 85%rh / bias condition for green compounds
- Propriety voltage / current monitoring system
- Tests in compliance with EN ISO/IEC 17025 accreditation (*)

TEMPERATURE / HUMIDITY / BIAS (THB)

- Accelerated corrosion test on plastic IC's
- Moisture level control range: +10°C / +90°C, 10% to 90% rh
- Two feedthrough ports per chamber
- Moisture Resistance test with cold step down to -10°C
- Multiple systems with 50ltr to 300ltr test area
- Tests in compliance with EN ISO/IEC 17025 accreditation (*)

MOISTURE SENSITIVITY LEVEL PRECONDITIONING

- Preconditioning prior to JEDEC/Q100 environmental tests
- MSL-1 to MSL-6 settings available
- 100 ltr test area per system, multiple systems
- Procedure with SAM inspection and optional TCY
- Convection solder simulation exposure up to +260°C peak
- MSL number evaluation according IPC J-STD-020

(*) For our EN ISO/IEC 17025 accreditation scope please check our website or www.rva.nl (L388).

Eurofins MASER | Auke Vleerstraat 26 | 7521 PG Enschede | P.O. box 1438 | 7500 BK Enschede | The Netherlands
Telephone: +31 53 480 26 80 | info@maser.nl | www.maser.nl