

Laboratory Scope
Normenübersicht mit angewandten Versionsständen
Reliability & Failure Analysis Laboratory Q RFA RBG

Test	Abbreviation	Departments	Company	Location	Standard Process Instruction (APA) / Edition		Flexible	Analysis range	expanded measurement uncertainty (k=2)
Electrostatic discharge test (acc. HBM)	ESD	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	ANSI/ESDA/JEDEC JS-001-2024	--	x	--	--
High temperature reverse bias	HTRB	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A108G, Nov 2022	--	x	--	--
High temperature storage & N2	HTS+N2	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A103E.01, Aug 2021	DIN EN 60068-2-2, 05/2008	x	--	--
High temperature storage & Vacuum	HTS+V	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A103E.01, Aug 2021	DIN EN 60068-2-2, 05/2008	x	--	--
High temperature storage	HTS	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A103E.01, Aug 2021	DIN EN 60068-2-2, 05/2008	x	--	--
Measurement of LEDs, optical and electrical parameters	Measurement	Q RFA RBG	ams-OSRAM International GmbH	Regensburg	CIE 127, 2007	--	x	--	--
Low temperature storage	LTS	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A119A, Oct 2015	IEC 60068-2-1, 03/2007	x	--	--
Pressure cooker test	PCT	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A102E, Jul 2015	--	x	--	--
Power temperature cycling	PTC	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A105D, Jan 2020	--	x	--	--
Puls life test	PLT	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A108G, Nov 2022	--	x	--	--
Resistance to soldering heat (IR-reflow)	RTSH	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A113I, Apr 2020	IEC 61760-1, 09/2020	x	--	--
Solderability Dip and Look	SOLD-DL	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	IEC 60068-2-58, 09/2018	DIN EN 60068-2-20, 07/2022	x	--	--
Solderability (Reflow)	SOLD-RE	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	IEC 60068-2-58, 09/2018		x	--	--
Steady state life test	SSLT	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A108G, Nov 2022	DIN EN 60068-2-2, 05/2008	x	--	--
Temperature & humidity bias	T&HB	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A101D.01, Jan 2021	IEC 60068-2-67 Ed. 1.1, 07/2019 IEC 60068-2-78, 10/2012	x	--	--
Temperature & humidity reverse bias	T&HRB	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A101D.01, Jan 2021		x	--	--
Temperature & humidity storage	T&HS	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A101D.01, Jan 2021		x	--	--
Thermal cycling (air)	TC	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A104F.01, Apr 2023		x	--	--
Thermal shock (liquid)	TSK	Q RFA RBG REL	ams-OSRAM International GmbH	Regensburg	JESD22-A106B.02, Dec 2022	IEC 60068-2-14, 01/2009	x	--	--
Elementanalyse mit EDX / Elemental analysis with EDX	EDX	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	A63501-R0108-N000-**-7435	--	--	elements with atomic number > 11	11,4 eV
Schliffe eingebetteter Bauteile anfertigen / Cross sectioning of embedded samples	Cross-section	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	A63501-R0109-N000-**-7435	--	--	--	
Messung von geometrischen Größen am REM / Measurement of geometrical dimensions with SEM	SEM	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	A63501-R0110-N000-**-7435	--	--	dimensions >= 0.5 µm - <10 µm	0,03
Röntgenanalyse & Bewertung / X-ray analysis & evaluation	X-Ray	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	A63501-R0111-N000-**-7435	--	--	--	
Elektronenmikroskopische Untersuchung / Electron microscopy inspection	SEM	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	A63501-R0112-N000-**-7435	--	--	--	
Focussed Ion Beam (FIB) Untersuchung / Focussed Ion Beam (FIB) investigation	FIB	Q RFA RBG FA	ams-OSRAM International GmbH	Regensburg	A63501-R0375-N000-**-7435	--	--	dimensions >= 0.5 µm - <10 µm	0,03

Important Information (Reference: (17011) 7.8.3)

The Reliability and Failure Analysis Laboratory is to be seen as "accredited internal body" ("Akkreditierte Interne Stelle") in the Scope of EG 768/2008 (Attachment II, Module A1, A2, C1 or C2).

The services in the scope of accreditation are provided exclusively for the company to which it belongs.

The Flexible Accreditation is part of the laboratory's responsibilities

For more information, see 7.02 "selection, verification and validation of contracts"

[7.02 Selection, verification and validation of contracts](#)

[https://osram.sharepoint.com/sites/10001123/RT/RETALR/Common Topics/17025_2017/5_Structural_requirements/Labscope.xls](https://osram.sharepoint.com/sites/10001123/RT/RETALR/Common%20Topics/17025_2017/5_Structural_requirements/Labscope.xls)List of accredited tests

Responsible: QM Officer

Substitute: Head of Laboratory

Print date: 03.03.2025