

Test Report

No.: SZXEC26001207237_1

Date: May 25, 2026

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Client Name: GUANGDONG NIUHANG ELECTRONIC TECHNOLOGY CO., LTD

Client Address: RROOM 301, BUILDING 1, NO.3 DAYUAN ROAD, ZHANGCUN, DONGCHENG STREET, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: Semiconductor Components

Model No.: SOD-323

Client Ref. Information: Please see attachments

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.SZXEC26001207237, DATE: Mar 24, 2026.

SGS Job No.: SZP26-010926

Sample Receiving Date: Mar 10, 2026

Testing Period: Mar 10, 2026 ~ Mar 16, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Tina

Tina Fan
Approved Signatory

Scan to see the report



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX26-0012072-0001.C001	"Semiconductor Components"

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)

Test Method: With reference to US EPA 3550C:2007, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Decabromodiphenyl ether (DecaBDE)	1163-19-5	1000	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1)	68937-41-7	1000	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	3000	mg/kg	5	ND
Hexachlorobutadiene (HCBd)	87-68-3	Prohibited	mg/kg	5	ND
Pentachlorothiophenol (PCTP)	133-49-3	10000	mg/kg	5	ND
Conclusion					Pass

Notes:

- (1) The regulation is available at the following link.
<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>.
- (2) The rule for Decabromodiphenyl ether (DecaBDE) and Phenol, isopropylated phosphate (3:1) (PIP 3:1) is effective on January 21, 2025.

Remark: This report adds Client Ref.Info.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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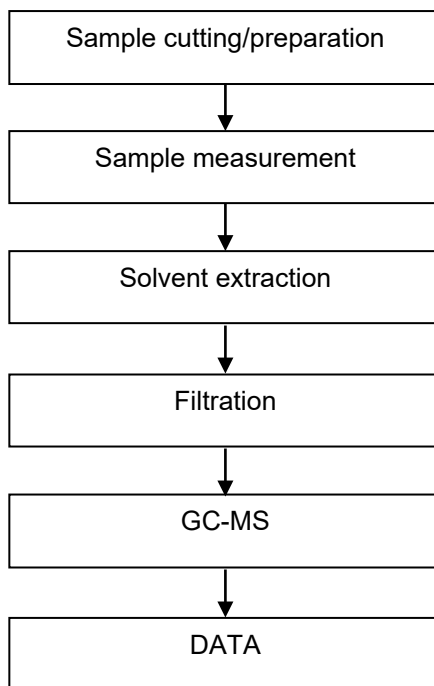
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ATTACHMENTS

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart



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Diode:

R-Series: R-1, R-6

DO-series: A-405, DO-41, DO-15, DO-27(DO-201AD), DO-35, DO-201AC(SMA), DO-201AA(SMB), DO-201AB(SMC), DO-213AA, DO-213AB(LL-41), DO-218AB

TO-series: TO-251, TO-251S, TO-252, PTO-252, TO-262, TO-263, TO-220AB, TO-220AC, TO-220C, TO-220C-2L, TO-220FP, ITO-220AB, ITO-220AC, TO-220F, TO-220F-2L, TO-3P, TO-247, TO-247S, TO-277, TO-277A, TO-277B, TO-247, TO-247S, TO-3P, TO-3PS, TO-3PF, TO-264-3L, TO-264PLUS-3L

TOLx series: TOLL, TOLT1, TOLT2

SOD-series: SOD-923, SOD-723, SOD-523, SOD-323, SOD-323FL, SOD-123, SOD-123FL, SOD-123HE, SOD-323HE, SOD-80(LL-34), SOD-882

SM series: SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL, SMP

SOT-series: 0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223

SC-series: SC-88, SC-89, SC-70

DFN series: DFN0603, DFN1608, DFN1610, DFN2020, DFN2018

PDFN series: PDFN3*3, PDFN5*6, PDFN8*8

AK3-series

Bridge Rectifiers:

SM-1, MBF, MBFS, MBS, MBSS, MBM, ABS, ABF, AKB, TMBF, HBS, HBL, LDB-S, DB-1, DB-S, RS, RB, KBL, KBU, KBP, TBP, TBP-1, KBPC, GBP, GBPC, GBU, GBL, SGBJ, GBJ, GBJ-H, KBJ, KBJL, BR, WOL, WOM, WOG, D3K, HV, GH, BCT, PSD, LD, SBL, BU, IBS, WOB, WOBM

Diode modules, rectifier modules, bridge rectifier modules:

MDC series; QL series; SQL series; MDS series; MDA series; MDK series; MDQ series; XQ series; KPBC series

Photovoltaic modules:

09E, QC3Q, Z8X, TS306X, JA005, 09ES

MOSFET, IGBT, Silicon Carbide, Gallium Nitride, Unidirectional SCR, Bidirectional SCR, Transistor:

DIP series module: DIP25, DIP24, DIP24F,

TO-series: TO-92, TO-251, TO-251S, TO-252, TO-252-4L, PTO-252, TO-126, TO-220A, TO-220B, TO-220AB, TO-220C, TO-220FP, ITO-220AB, TO-220F, TO-220FJ, TO-263, TO-263-5L, TO-263-6L, TO-263-7L, TO-262, TO-3P, TO-3PF, TO-247, TO-247S, TO-247L, TO-247H, TO-247-4L, TO-247Plus-3L, TO-247Plus-4L, TO-264-3L, TO-264PLUS-3L

TOLx series: TOLL, TOLT1, TOLT2

SOT-series: SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143

SOP-series: SOP-89, SOP-8

DFN series: DFN3*3, DFN5*6, DFN8*8, DFN2020, DFN3030

PDFN series: PDFN3*3, PDFN3*3-D, PDFN5*6, PDFN5*6-D, LFPK5*6, PDFN8*8

QFN series: QFN3*3

Integrated Circuits:

SOT-series: SOT-23-5/6

SOP-series: SOP-8/14/16/18/20/24/28/30/36/48, SOP-8L



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SSOP-series: SSOP-8/14/16/18/20/24/28/36/48

MSOP-series: MSOP-10/14

TSSOP-series: TSSOP-14/20/28

DIP-series: DIP-8/14/16/20/24/28/36/48

QFN series: QFN16/20/24/28/32/40/48/64

DFN series: DFN6/8/10/20

LQPF series: LQPF32/44/48/52/64/100

SOP-series+

Low dropout regulators, three-terminal precision voltage regulators, voltage regulators:

SOT-series: SOT-23, SOT-23-3, SOT-23-5, SOT-89, SOT-89-3, SOT-89-5, SOT-223,

TO-series: TO-252, TO-220, TO-263, TO-263-5L, TO-92

SOP-series: SOP-8, ESOP-8



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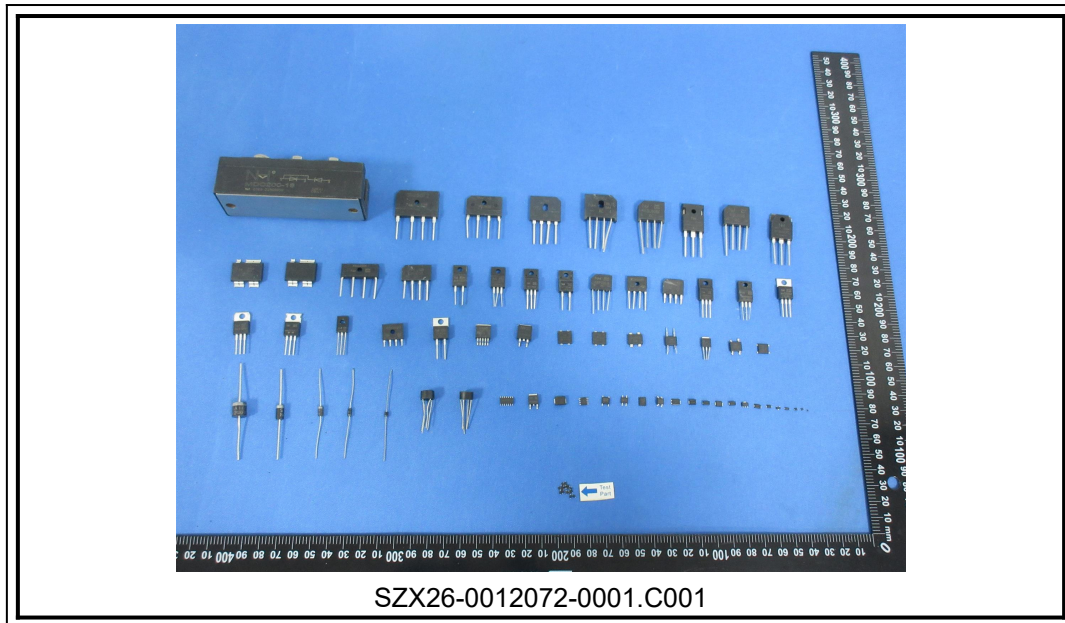
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