

Test Report No.: SZXEC25000839505 **Date**: Mar 24, 2025 Page 1 of 6

Client Name: GUANGDONG NIUHANG ELECTRONIC TECHNOLOGY CO., LTD

Client Address: 3RD FLOOR, BUILDING 1, NO.3 DAYUAN ROAD, ZHANGCUN, DONGCHENG STREET,

DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: SemiconductorComponents

Model No.: SOD-323

Client Ref. Information: Please see attachment

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

SGS Job No.: SZP25-012274 Sample Receiving Date: Mar 18, 2025

Testing Period: Mar 18, 2025 ~ Mar 24, 2025

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
Halogen	See Results

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

Andy Ni

Approved Signatory





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Roum 101-901, Plant 4 & Roum 101, Plant 2 & Roum 101, Plant 2 & Roum 101, Plant 3 & Roum 101-901, Plant 3, Ranghao (Banfan) Industria Plant Area, No. 400, Illuar Road, Banfan Community, Banfan Street, Longsang Distric, Shenzhen, Gleapylong, China 18129 www.spsgroup.com.cn 中国 - 广东 - 深圳市龙岗区坂田街道坂田社区吉华路430号江灏(坂田)工业厂区厂房4号101—901、2号101、3号301—501 華第:518129 t(86-755) 25328888 sps.china@sps.com



Test Report No.: SZXEC25000839505 **Date**: Mar 24, 2025 Page 2 of 6

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX25-0008395-0001.C001	"SemiconductorComponents"

Remarks:

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

Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	ND
Chlorine(CI)	mg/kg	50	78
Bromine(Br)	mg/kg	50	ND
lodine(I)	mg/kg	50	ND

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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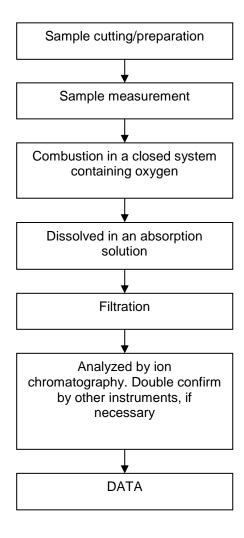
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Roum 101-901, Plant 48 Room 101, Plant 28 Room 101, Plant 28 Room 101-901, Plant 3, Room 301-501, Plant 3, Rong 301-501, Plant 3, Room 3



Test Report ATTACHMENTS

Halogen Testing Flow Chart





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Roum 101-901, Plant 4 & Roum 101, Plant 2 & Roum 101, Plant 2 & Roum 101, Plant 3 & Roum 101-901, Plant 3, Rounglas (Benfan) Industrial Plant Area, No. 401, Illuse Road, Bantian Community, Bantian Street, Longgang Districk, Shenzhen, Guengdong, China 18129 www.sepsgroup.com.cn 中国 - 广东 - 深圳市发岗区坂田街道坂田社区吉华路430号江灏(坂田)工业厂区厂房4号101-901、2号101、3号301-501 樟编:518129 北(86-755) 25328888 sgs.china@sgs.com



Test Report No.: SZXEC25000839505 **Date**: Mar 24, 2025 Page 4 of 6

Attachment: DIODE:

R-1, R-6, R-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, DO-Series,

TO-251,TO-251S,TO-252,PTO-252,TO-262,TO-263,TO-220AB,TO-220AC,TO-220C,TO-220C-2L,

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,TO-Series

TOLL,TOLT1,TOLT2,SOD-923, SOD-723, SOD-523, SOD-323, SOD-123, SOD-123FL,

SOD-123HE, SOD-323HE, SOD-80(LL-34), SOD882, SOD Series

SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL, SMP, SM Series

0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223, SOT Series

SC-88, SC-89, SC-70, SC Series, DFN0603, DFN1608, DFN1610, DFN2020, DFN2018,

DFN Series, PDFN3*3, PDFN5*6, PDFN8*8, PDFN Series, AK3 Series

BRIDGE RECTIFIER:

SM-1, MBF, MBFS, MBS, MBSS, MBM, ABS, ABF, AKB, TMBF, HBS, LDB-S, DB-1, DB-S, RS,

RB, KBL, KBU, KBP, TBP, TBP-1, KBPC, GBP, GBPC, GBU, GBL, SGBJ, GBJ, KBJ, KBJL,

BR, WOL, WOM, WOG, D3K, HV, GH, BCT, PSD, LD, SBL, BU, IBS, WOB, WOBM

DIODE MODULE、RECTIFIER MODULE、BRIDGE RECTIFIER MODULE:

MDC Series, QL Series, SQL Series, MDS Series, MDA Series, MDK Series, MDQ Series,

XQ Series, KPBC Series

PHOTOVOLTAIC MODULE:

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

MOSFET、IGBT、SIC、GAN、SCR、TRIAC、TRANSISTOR:

DIP25,DIP24,DIP24F, DIP Series module, TO-92,TO-251,TO-251S,TO-252,TO-252-4L,

PTO-252,TO-126,TO-220A,TO-220B,TO-220AB,TO-220C,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,

TO Serise, TOLL, TOLT1, TOLT2, SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143,

SOT Series, SOP-89, SOP-8, SOP Series, DFN3*3, DFN5*6, DFN8*8, DFN2020, DFN3030,

DFN Series, PDFN3*3,PDFN3*3-D,PDFN5*6,PDFN5*6-D,LFPAK5*6,PDFN8*8, PDFN Series

QFN3*3, QFN Series

IC:

SOT-23-5/6, SOP-8/14/16/18/20/24/28/30/36/48, SOT Series, SSOP-8/14/16/18/20/24/28/36/48,

SSOP Series, MSOP-10/14, MSOP Series, TSSOP-14/20/28, TSSOP Series,

DIP-8/14/16/20/24/28/36/48, DIP Series, QFN16/20/24/28/32/40/48/64, QFN Series



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Test Report No.: SZXEC25000839505 **Date**: Mar 24, 2025 Page 5 of 6

DFN6/8/10/20, DFN Series, LQPF32/44/48/52/64/100, LQPF Series

SOP-8L, SOP Series, SOP Series+

Low Dropout Regulator(LDO). Three-terminal precision voltage regulator. Voltage Regulator:

SOT-23, SOT-89, SOT-223, SOT Series, TO-252, TO-220, TO-263, TO-263-5L, TO Series



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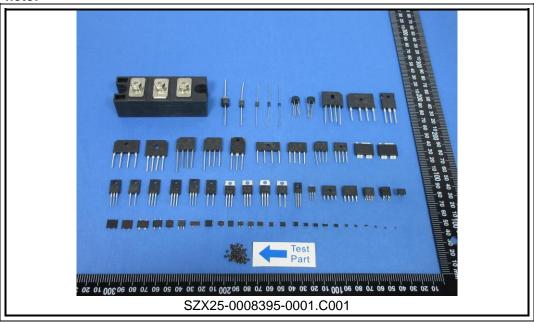
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Room 101-901, Plant 48 Room 101, Plant 28 Room 101, Plant 28 Room 101, Plant 38 Room 101-901, Plant 38 Room 301-501, Plant 38 Room 301-5



Test Report No.: SZXEC25000839505 **Date**: Mar 24, 2025 Page 6 of 6

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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