

检测报告

编号: SZXEC25000839508

日期: 2025 年 03 月 24 日

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客户名称: 广东纽航电子科技有限公司
客户地址: 广东省东莞市东城街道樟村大园路 3 号 1 栋 301 室

样品名称: 半导体元器件
型号: SOD-323
客户参考信息: 请见附页
以上样品及信息由客户提供。

SGS 工作编号: SZP25-012274
样品接收时间: 2025 年 03 月 18 日
检测周期: 2025 年 03 月 18 日 ~ 2025 年 03 月 24 日
检测要求: 根据客户要求检测
检测方法: 见后续页。
检测结果: 见后续页。

检测要求	结论
美国环保署有毒物质控制法 (TSCA) 第 6 (h) 节规定的持久性、生物累积性和毒性 (PBT) 化学物质	符合

通标标准技术服务有限公司深圳分公司
授权签名

倪磊

Andy Ni 倪磊
批准签署人

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	SZX25-0008395-0001.C001	“半导体元器件”

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL= 方法检出限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

美国环保署有毒物质控制法 (TSCA) 第 6 (h) 节规定的持久性、生物累积性和毒性 (PBT) 化学物质

检测方法: 参考 US EPA 3550C:2007, 采用 GC-MS 进行分析。

检测项目	CAS No.	限值	单位	MDL	A1
十溴二苯醚 (Deca-BDE)	1163-19-5	1000	mg/kg	5	ND
异丙基化磷酸三苯酯 (PIP 3:1)	68937-41-7	1000	mg/kg	5	ND
2,4,6-三叔丁基苯酚 (2,4,6-TTBP)	732-26-3	3000	mg/kg	5	ND
六氯丁二烯 (HCBd)	87-68-3	禁用	mg/kg	5	ND
五氯苯硫酚 (PCTP)	133-49-3	10000	mg/kg	5	ND
结论					符合

备注:

(1) 法规信息请参见下链接

<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>.

(2) 针对十溴二苯醚 (Deca-BDE) 和异丙基化磷酸三苯酯 (PIP 3:1) 的规定于 2025 年 1 月 21 日生效。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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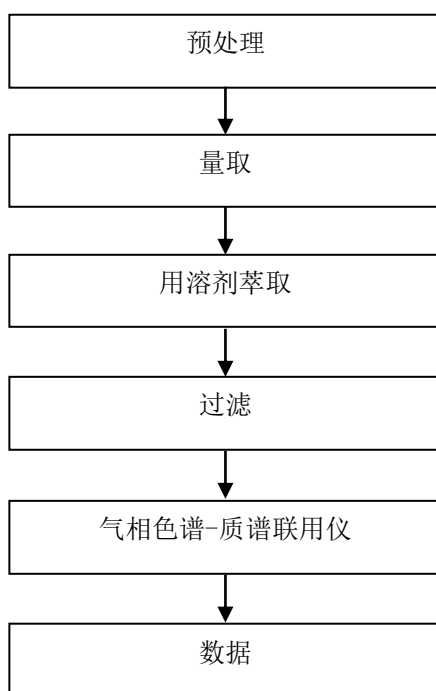
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持久性、生物累积性和毒性 (PBT) 化学物质检测流程图



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附件:
二极管:

R-1, R-6, R-系列, 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-系列
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-系列
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 系列,
SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL,
SMP, SM 系列, 0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223, SOT 系列,
SC-88, SC-89, SC-70, SC 系列, DFN0603, DFN1608, DFN1610, DFN2020, DFN2018,
DFN 系列, PDFN3*3, PDFN5*6, PDFN8*8, PDFN 系列, AK3 系列

桥式整流器:

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

二极管模块、整流模块、桥式整流模块:

MDC 系列, QL 系列, SQL 系列, MDS 系列, MDA 系列, MDK 系列, MDQ 系列, XQ 系列, KPBC 系列
光伏模块:

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

MOS 管、IGBT、碳化硅、氮化镓、单向可控硅、双向可控硅、三极管:

DIP25, DIP24, DIP24F, DIP 系列模块/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 系列, TOLL, TOLT1, TOLT2, SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143,
SOT 系列, SOP-89, SOP-8, SOP 系列, DFN3*3, DFN5*6, DFN8*8, DFN2020, DFN3030, DFN 系列
PDFN3*3, PDFN3*3-D, PDFN5*6, PDFN5*6-D, LFPK5*6, PDFN8*8, PDFN 系列, QFN3*3, QFN 系列

集成电路:

SOT-23-5/6, SOP-8/14/16/18/20/24/28/30/36/48, SOT 系列, SSOP-8/14/16/18/20/24/28/36/48,
SSOP 系列, MSOP-10/14 MSOP 系列, TSSOP-14/20/28, TSSOP 系列,



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

DFN6/8/10/20, DFN 系列, LQPF32/44/48/52/64/100, LQPF 系列, SOP-8L, SOP 系列, SOP 系列+

低压差调整器、三端精密稳压器、电压调整器:

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



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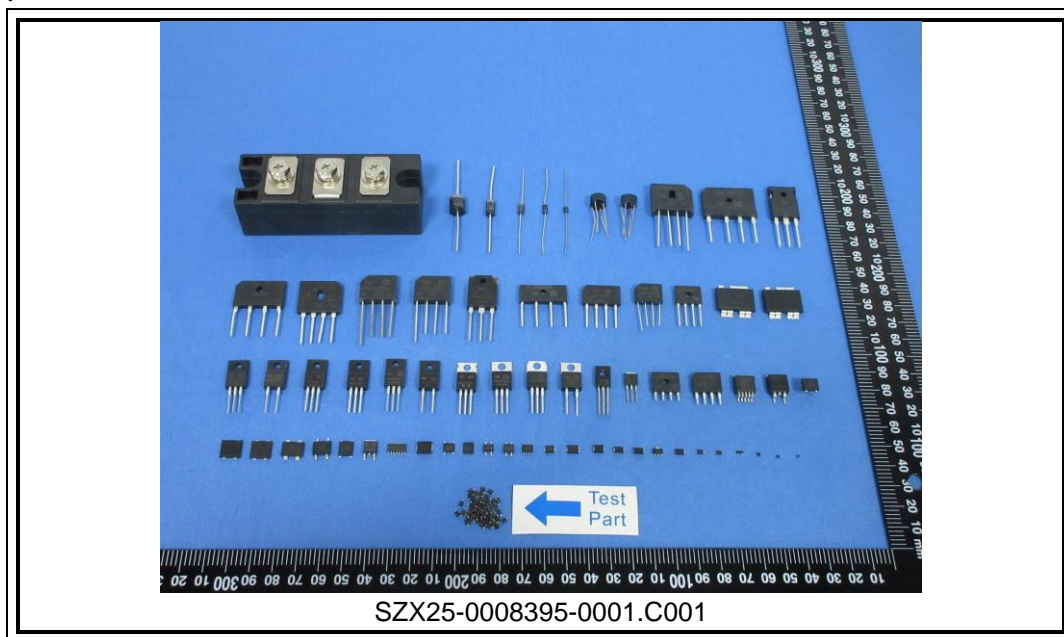
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