

检测报告

编号: SZXEC26003563202

日期: 2026 年 06 月 10 日

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客户名称: 深圳市瑞斯特半导体有限公司
客户地址: 深圳市龙华区民治鸿荣源北站商业中心 B 栋 19 楼

样品名称: 二三极管
型号: SOT-23
客户参考信息: 可控硅整流器、肖特基二极管、双极结型晶体管、场效应管、集成电路 (IC)
SOT-23、SOT-23-3L、SOT-23-5L、SOT-23-6L、SOT-23-8L、SOT-323、
SOT-363、SOT-523、SOT-563、SOT-723、SOT-89、SOD123、SOD323、
SOD523、PDFN 3*3、PDFN 5*6、DFN1006、DFN0603、DFN 2*2、DFN
7*7、
DFN 8*8、TO-220AB、TO-220C、TO-220FP、TO-247S、TO-247-3L、
TO-247-4L、TO-247PLUS、TO-3PB、TO-3PL、TO-3PN、TO-3PF、
TO-263、TO-263-5L、TO-263-7L、TO-251、TO-252、TO-25241、
STOLL、TOLL、TOLT、DTOLL、SOP7、SOP7PLUS、SOP8、SMA、
SMB、
SMC、SMAF、SMBF、GBU、GBP

以上样品及信息由客户提供。

SGS 工作编号: SZP26-027880
参考编号: SHP26-019952
样品接收时间: 2026 年 06 月 04 日
检测周期: 2026 年 06 月 04 日 ~ 2026 年 06 月 10 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。

通标标准技术服务有限公司深圳分公司
授权签名

袁依婷

Fay Yuan 袁依婷
批准签署人

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检测要求	结论
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	符合

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	SZX26-0035632-0001.C001	“二三极管”

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

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 和 IEC 62321-12:2023, 采用 ICP-OES/AAS, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A1
铅 (Pb)	1000	mg/kg	2	5
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	25	ND
二溴联苯 (DiBB)	-	mg/kg	25	ND
三溴联苯 (TriBB)	-	mg/kg	25	ND
四溴联苯 (TetraBB)	-	mg/kg	25	ND
五溴联苯 (PentaBB)	-	mg/kg	25	ND
六溴联苯 (HexaBB)	-	mg/kg	25	ND
七溴联苯 (HeptaBB)	-	mg/kg	25	ND
八溴联苯 (OctaBB)	-	mg/kg	25	ND
九溴联苯 (NonaBB)	-	mg/kg	25	ND
十溴联苯 (DecaBB)	-	mg/kg	25	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
三溴二苯醚 (TriBDE)	-	mg/kg	25	ND



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检测项目	限值	单位	MDL	A1
四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND
九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	25	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注:

(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列。

(3) 2021 年 7 月 22 号开始, DEHP, BBP, DBP 和 DIBP 的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。

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。

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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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元素检测流程图

样品中的 Pb/Cd/Hg 按照下述流程被完全消解。



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六价铬检测流程图



PBB(s)/PBDE(s)/Phthalates 检测流程图



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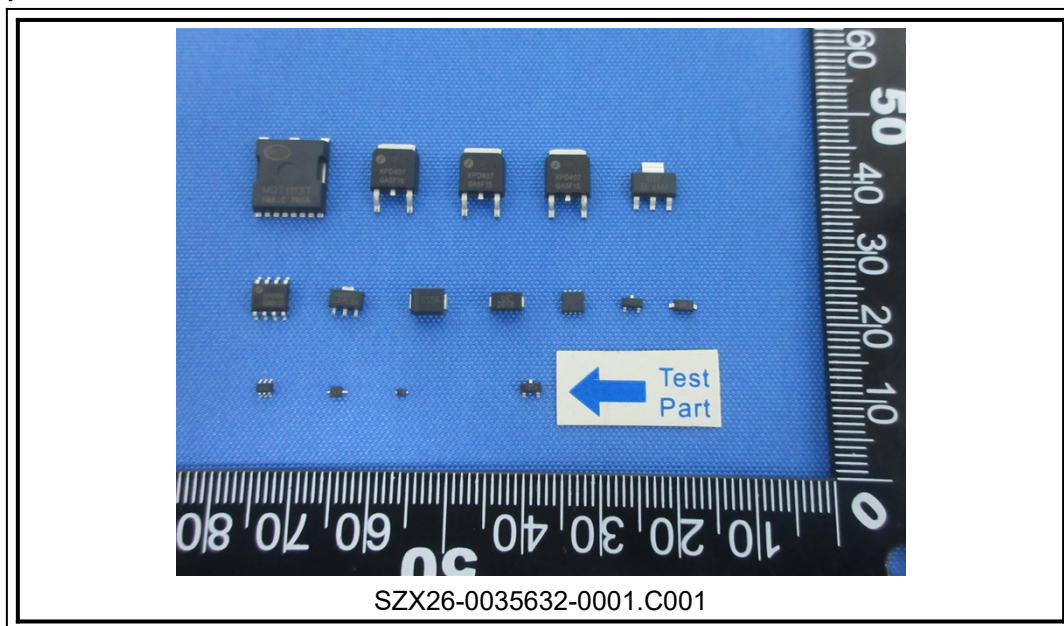
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样品照片:



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