TASUND
泰盛达科技

Expert in line protection and
green energy solutions

线路保护和绿色能源解决方案专家

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ESD
静电保护器件

TVS
瞬变电压抑制管

PESD
高分子静电抑制器件

深圳泰盛达科技有限公司 | Shenzhen Tasund Technotogy Co., Ltd

線路保護
綠色能源

TASUND
泰盛达科技

公司简介

深圳泰盛达科技有限公司是从事于电子元器件/半导体分立器件的研发、生产和销售为一体的专业元器件制造商。

泰盛达拥高精尖的技术型团队，有先进的半导体芯片制造工艺和先进的元器件封装制造工艺。拥有多系列的元器件生产线6条，半导体芯片生产线2条，公司元器件产能达到60亿支/年。可提供轴向、贴片、玻封、塑封全系列产品封装。公司生产基地设在山东省高密市, 占地100余亩，生产车间面积达3万平方米，其中洁净车间面积达8千平方米以上。目前的主营业务为各类静电保护器（ESD）、瞬变电压抑制管（TVS）、场效应管（MOS)、稳压电路（Voltage Regulator）、低压差稳压器（LDO Regulator）、二极管、三极管、整流器件等半导体分立器件的研发设计、芯片制造、封装测试、销售及技术服务。公司产品广泛应用于家用电器、电源/充电器、绿色照明、网络与通信、汽车电子、智能电表及仪器等领域，主要销往欧盟、北美、日本、东南亚等国家和地区，以及国内珠三角、长三角等主要的电子产业地区。

公司荣获高新技术企业称号，严格执行ISO9001质量管理体系，产品完全符合欧盟的有害环境物质管控要求（RoHS指令）并可按客户需要提供满足无卤素要求的产品。

公司坚持“诚实守信，拼搏创新，精益求精，和谐共赢”的价值理念，致力于持续的内部质量改进活动，竭诚为广大客户创造更大价值。

核心价值 Core Value

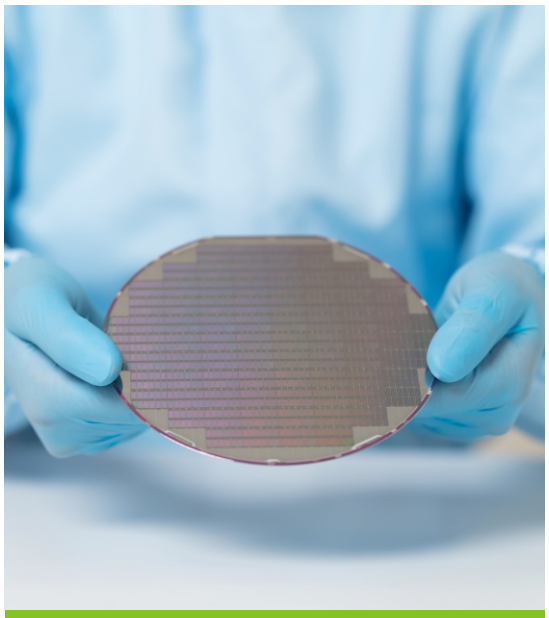
1 研发创新
拥有国内外专业的产品研发专家团队, 灵敏的产品前瞻嗅觉，不断创新，超短研研发周期。

2 品质保证
优越的封测品质管控体系, 先进的可靠性试验和失效分析设备和能力, 持续完善。

3 技术支持
专业的技术支援和完善的售后服务, 协助客户实行方案升级及客制化新产品研发和定制。

4 成本优势
集晶片研发和优质封测资源, 原厂直销。

5 快速交付
先进的自动化生产设备, 提升生产效率和产品良品率, 合理的规划原材料安全库存结构,
专业的物流管理系统。



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生产线实景
Production facility

国际化半导体封测生产基地, 拥有行业知名品牌ASM, KS , ISMECA 等优质的自动化生产设备. 同时为更好的管控产品品质工厂还配套完善的产品可靠性实验和失效分析设备.

World class semiconductor assembly house equipped with ASM, KS and ISMECA etc. famous outstanding automation production equipments. Also, factory is equipped with reliability test and failure analysis equipments and capability to further strengthen product Quality.

可靠性实验设备
Reliability

贯彻执行ISO9001质量管理体系和ISO14001环境管理体系, 持续完善, 追求卓越. 产品符合欧盟RoHS, Halogen Free, Reach认证标准.

ISO9001 quality management system and ISO14001 environmental management system are strictly implemented to strive for continuous improvement and excellence. All products are conformed to RoHS, Halogen Free and Reach EU standards.

自主品牌
Registered Brand

TASUND

产品概览
Product Summary

封装 (产品以实物为准)
Package(For reference only)

静电防护器件
ESD Protection Device

瞬变电压抑制二极管
Transient Voltage Suppressor Diodes

高分子静电抑制器件
Polymer ESD Suppressors


DFN0603


DFN1006


DFN1006-3L


DFN1610


DFN1610-6L


DFN2020-3L


DFN2010-8L


DFN2510


DFN3810-9L


SOD-523


SOD-323


SOD-123


SOT-523


SOT-323


SOT-23


SOT-143


SOT-363

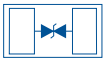
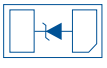

SOT-23-6L


SMA

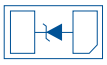
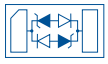
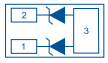
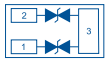

SMB


SMC

ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
ESD03D6BU	96	3.3	4.2	24	4	0.1	0.25	DFN0603	
ESD03D6BUS	45	3.3	5	13	4	0.1	0.18	DFN0603	
ESD03D6BN	80	3.3	3.6	10	8	1	16.5	DFN0603	
ESD05D6BU	100	5	6	25	4	0.1	0.25	DFN0603	
ESD05D6CU	35	5	5.6	14	2	2	3	DFN0603	
ESD05D6BN	72	5	5.6	12	6	1	14	DFN0603	
ESD0301BU	84	3.3	4.2	21	4	0.1	0.25	DFN1006	
ESD0301BUS	55	3.3	5.5	14.5	4	0.1	0.18	DFN1006	
ESD0301BL	84	3.3	4.2	21	4	0.1	0.8	DFN1006	
ESD0301PB	84	3.3	3.6	12	7	1	15	DFN1006	
ESD0301CM	400	3.3	4	18	23	1	75	DFN1006	
ESD0501BU	88	5	6	22	4	0.1	0.25	DFN1006	
ESD0501BL	88	5	6	22	4	0.1	0.8	DFN1006	
ESD0501CU	28	5	5.6	14	2	1	3	DFN1006	
ESD0501OC	150	5	5.6	16	9.4	1	10	DFN1006	
ESD0501CM	400	5	5.8	20	20	1	65	DFN1006	
ESD0501CH	675	5	5.6	15	45	1	105	DFN1006	
ESD0801PB	60	5	5.6	15	4	1	15	DFN1006	
ESD0801PB-A	60	5	5.6	12	5	1	18	DFN1006	
ESD0701BN	70	7	7.5	14	5	0.2	20	DFN1006	
ESD0701OC	150	7	7.5	19	8	0.2	25	DFN1006	
ESD1201BU	64	12	13.3	32	2	0.5	0.25	DFN1006	
ESD1201OC	150	12	13.3	26	5	0.2	13	DFN1006	
ESD1501BU	70	15	16	35	2	0.5	0.25	DFN1006	
ESD2401BU	40	24	26	40	1	0.5	0.25	DFN1006	
ESD2401OC	150	24	26	50	3	1	8	DFN1006	
ESD2401QC	200	24	26	50	3	1	13	DFN1006	
SD4V5FDTC	3200	4.5	4.6	20	160	1	300	DFN1610-2L	
ESD0301L	56	3.3	4.2	14	4	0.1	0.5	DFN1006	
ESD0501L	60	5	6	15	4	0.1	0.5	DFN1006	
ESD8D3V3	105	3.3	5	11.5	7.5	2.5	105	DFN1006	
ESD8D5V0	105	5	6.2	15	7	1	80	DFN1006	

ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
ESD8D8V0	108	8	8.5	18	6	1	65	DFN1006	
ESD8D12V	104	12	13.3	26	4	1	45	DFN1006	
ESD8D15V	120	15	16	30	4	1	28	DFN1006	
ESD8D36V	55	36	40	55	1	5	28	DFN1006	
SD8D3V3	350	3.3	4	14	20	5	450	DFN1006	
SD8D5V0	350	5	6	18	17	2	300	DFN1006	
SD8D8V0	350	8	8.5	24	15	1	240	DFN1006	
SD8D12V	350	12	13.3	32	11	1	130	DFN1006	
SD8D15V	350	15	16.7	38	10	1	120	DFN1006	
SD8D18V	350	18	20	45	9	1	100	DFN1006	
SD8D24V	350	24	26.7	52	7	1	80	DFN1006	
SD8D36V	350	36	40	75	5	1	60	DFN1006	
SD05FDS	1620	5	6	18	90	2	800	DFN1610-2L	
SD07FDT	2625	7	7.5	25	105	1	700	DFN1610-2L	
SD12FDT	2275	12	12.7	35	65	0.1	510	DFN1610-2L	
SD15FDS	960	15	16.5	30	32	0.1	400	DFN1610-2L	
BLC03CFD	300	3	4	13.9	8	2	0.8	DFN1610-2L	
BLC05CFD	300	5	6	18.3	8	1	0.8	DFN1610-2L	
BLC08CFD	300	8	8.5	18.5	8	1	0.8	DFN1610-2L	
BLC12CFD	300	12	13.3	28.6	6	1	0.8	DFN1610-2L	
BLC15CFD	300	15	16.7	31.8	5	1	0.8	DFN1610-2L	
BLC24CFD	300	24	26.7	56	3	1	0.8	DFN1610-2L	
ESD0302L	56	3.3	4.2	14	4	0.1	0.5	DFN1006-3L	
ESD0302LS	25.5	3.3	4.5	8.5	3	0.5	0.36	DFN1006-3L	
ESD0502L	60	5	6	15	4	0.1	0.5	DFN1006-3L	
ESD0302BN	60	3.3	3.6	12	5	1	16.5	DFN1006-3L	
ESD0502BN	72	5	5.6	12	6	1	14	DFN1006-3L	
ESD9Z3.3L	56	3.3	4.2	14	4	0.1	0.5	SOD-923	
ESD9Z5.0L	60	5	6	15	4	0.1	0.5	SOD-923	
ESD5Z3.3L	56	3.3	4.2	14	4	0.1	0.5	SOD-523	
ESD5Z5.0L	60	5	6	15	4	0.1	0.5	SOD-523	
ESD5Z2.5	120	2.5	4	10.9	11	6	145	SOD-523	

ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
ESD5Z3.3	158	3.3	5	14.1	11.2	0.9	105	SOD-523	
ESD5Z5.0	174	5	6.2	18.6	9.4	0.08	80	SOD-523	
ESD5Z7.0	200	7	7.5	22.7	8.8	0.03	65	SOD-523	
ESD5Z12	174	12	14.1	29	6	0.02	35	SOD-523	
ESD5Z24	120	24	26.7	35	1	5	50	SOD-523	
ESD5Z36	120	36	40	55	1	5	28	SOD-523	
SD5Z03	350	3.3	4	14	20	5	450	SOD-523	
SD5Z05	350	5	6	18	17	2	300	SOD-523	
SD5Z08	350	8	8.5	24	15	1	240	SOD-523	
SD5Z12	350	12	13.3	32	11	1	130	SOD-523	
SD5Z15	350	15	16.7	38	10	1	120	SOD-523	
SD5Z18	350	18	20	45	9	1	100	SOD-523	
SD5Z24	350	24	26.7	52	7	1	80	SOD-523	
SD5Z36	350	36	40	75	5	1	60	SOD-523	
ESD3Z3.3L	56	3.3	4.2	14	4	0.1	0.5	SOD-323	
ESD3Z5.0L	60	5	6	15	4	0.1	0.5	SOD-323	
ESD3Z3.3	158	3.3	5	14.1	11.2	0.9	105	SOD-323	
ESD3Z5.0	174	5	6.2	18.6	9.4	0.08	80	SOD-323	
ESD3Z7.0	200	7	7.5	22.7	8.8	0.03	65	SOD-323	
ESD3Z12	240	12	14.1	29	9.6	0.02	55	SOD-323	
SD03	350	3.3	4	10.5	20	40	450	SOD-323	
SD05	350	5	6	18	17	10	300	SOD-323	
SD08	350	8	8.5	24	15	1	240	SOD-323	
SD12	350	12	13.3	32	11	1	130	SOD-323	
SD15	350	15	16.7	38	10	1	120	SOD-323	
SD18	350	18	20	45	9	1	100	SOD-323	
SD20	350	20	22.3	50	8	1	90	SOD-323	
SD24	350	24	26.7	52	7	1	80	SOD-323	
SD36	350	36	40	75	5	1	60	SOD-323	
SD4V5S	1260	4.5	5	14	90	0.5	850	SOD-323	
SD05S	1620	5	6	18	90	2	800	SOD-323	
SD05T	2800	5	6	20	140	1	980	SOD-323	

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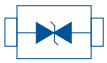
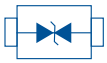
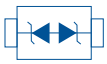
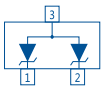
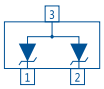
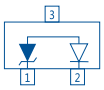
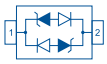
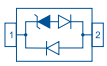
ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
SD07T	2625	7	7.5	25	105	1	700	SOD-323	
SD12T	1540	12	13.5	28	55	1	350	SOD-323	
SD15T	1800	15	16	30	60	1	330	SOD-323	
SD05DFJ	1980	5	6.4	18	110	50	1100	SOD-123FL	
SD09DFJ	2080	9	10	26	80	5	700	SOD-123FL	
SD12DFM	5600	12	13	28	200	1	450	SOD-123FL	
SD15DFJ	2470	15	16.7	38	65	1	500	SOD-123FL	
SD18DFJ	2646	18	20	42	63	1	450	SOD-123FL	
SD20DFJ	2700	20	22.2	45	60	1	400	SOD-123FL	
SD24DFJ		24	26.7					SOD-123FL	
ESDB3.3EM9	44	3.3	5	19	2.3	2.5	18	SOD-923	
ESDB5.0CM9	60	5	5.6	12	5	1	13	SOD-923	
LESD5Z2.5C	300	2.5	3.5	15	20	1	45	SOD-523	
ESD5Z3.3C	60	3.3	3.6	12	5	1	16.5	SOD-523	
ESD5B5CU	35	5	5.6	14	2	2	3.0	SOD-523	
ESD5B5CL	40	5	5.2	9	1	2	4.5	SOD-523	
ESD5B5CN	105	5	5.6	15	7	1	15	SOD-523	
ESD5Z5.0C	45	5	5.6	15	3	1	12	SOD-523	
LESD5Z5.0C	128	5	5.6	16	8	1	10	SOD-523	
LESD5Z5.0C_H	75	5	5.6	15	5	1	15	SOD-523	
ESD5B3CM	400	3.3	4	18	23	1	75	SOD-523	
ESD5B5CM	400	5	5.8	20	20	1	65	SOD-523	
ESD3Z3V3BU	100	3.3	4.2	25	4	0.1	0.25	SOD-323	
ESD3Z5V0BU	100	5	6	25	4	0.1	0.25	SOD-323	
LESD3Z5.0C	60	5	5.6	12	5	1	18	SOD-323	
ESD3Z5.0C	200	5	6	18.6	9.4	0.1	80	SOD-323	
ESD3Z8.0C	200	8	8.5	18.5	8	1	80	SOD-323	
ESD3Z12VC	360	12	14.25	30	12	1	12	SOD-323	
ESD3B3CM	500	3.3	4	18	28	1	75	SOD-323	
ESD3B5CM	500	5	5.8	20	25	1	65	SOD-323	
SD03C	350	3.3	4	16	20	40	450	SOD-323	
SD05C	350	5	6	18	17	10	200	SOD-323	

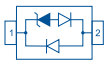
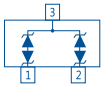
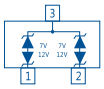
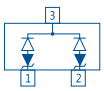
ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
SD08C	350	8	8.5	24	15	2	120	SOD-323	
SD12C	350	12	13.3	32	11	1	75	SOD-323	
SD15C	350	15	16.7	38	10	1	68	SOD-323	
SD18C	350	18	20	45	9	1	57	SOD-323	
SD20C	350	20	22.3	50	8	1	52	SOD-323	
SD24C	350	24	26.7	52	7	1	50	SOD-323	
SD36C	350	36	40	75	4.5	1	35	SOD-323	
SD4V5TC	3200	4.5	4.6	20	160	1	300	SOD-323	
SD05TC	2080	5	5.3	16	130	1	450	SOD-323	
SD05DFJC		5						SOD-123FL	
SD07DFMC	3600	7	8	18	200	1	520	SOD-123FL	
SD12DFMC	5600	12	13	28	200	1	550	SOD-123FL	
SD15DFJC	4560	15	16.7	38	120	1	300	SOD-123FL	
SD18DFJC	2660	18	20	38	70	1	250	SOD-123FL	
SD24DFJC	3380	24	26.7	52	65	1	200	SOD-123FL	
ESD1524	160	15	17.1	44	5	0.05	17	SOD-323	
		24	25.4	70	3	0.05	17		
ESD0302TL	56	3.3	4.2	14	4	0.1	0.5	SOT-23	
ESD0502TL	60	5	6	15	4	0.1	0.5	SOT-23	
SM03	350	3.3	4	14	20	40	450	SOT-23	
SM05	350	5	6	18	17	10	300	SOT-23	
SM08	350	8	8.5	24	15	2	240	SOT-23	
SM12	350	12	13.3	32	11	1	130	SOT-23	
SM15	350	15	16.7	38	10	1	120	SOT-23	
SM18	350	18	20	45	9	1	100	SOT-23	
SM20	350	20	22.3	50	8	1	90	SOT-23	
SM24	350	24	26.7	52	7	1	80	SOT-23	
SM36	350	36	40	75	5	1	60	SOT-23	
SM12Z	550	12	13.3	25	22	1	110	SOT-23	
MMBZ5V6AL	24	3	5.6	8	3	5	-	SOT-23	
MMBZ6V2AL	24	3	6.2	8.7	2.76	0.5	-	SOT-23	
MMBZ6V8AL	24	4.5	6.8	9.6	2.5	0.5	-	SOT-23	

ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
MMBZ9V1AL	24	6	9.1	14	1.7	0.3	-	SOT-23	
MMBZ12VAL	40	8.5	12	17	2.35	0.2	-	SOT-23	
MMBZ15VAL	40	12	15	21	1.9	0.05	-	SOT-23	
MMBZ18VAL	40	14.5	18	25	1.6	0.05	-	SOT-23	
MMBZ20VAL	40	16	20	38	1	0.05	-	SOT-23	
MMBZ27VAL	40	22	27	40	1	0.05	-	SOT-23	
ESD0502TWL	60	5	6	15	4	0.1	0.4	SOT-323	
ESD0502T5L	60	5	6	15	4	0.1	0.4	SOT-523	
SL05	350	5	6	20	18	1	1	SOT-23	
SL12	350	12	13.3	28.6	12	1	1	SOT-23	
SL15	350	15	16.7	31.8	10	1	1	SOT-23	
SL24	350	24	26.7	56	6	1	1	SOT-23	
GBLC03CW	150	3.3	3.5	15	10	0.5	1	SOD-323	
GBLC0301CW	350	3.3	3.5	18	20	0.5	0.6	SOD-323	
GBLC03CI	350	3	4	20	20	5	0.8	SOD-323	
GBLC05CI	350	5	6	20	18	1	0.8	SOD-323	
GBLC08CI	350	8	8.5	24	18	1	0.8	SOD-323	
GBLC12CI	350	12	13.3	28.6	12	1	0.8	SOD-323	
GBLC15CI	350	15	16.7	31.8	10	1	0.8	SOD-323	
GBLC18CI	350	18	20	53	7	1	0.8	SOD-323	
GBLC20CI	350	20	22	55	7	1	0.8	SOD-323	
GBLC24CI	350	24	26.7	56	6	1	0.8	SOD-323	
GBLC36CI	350	36	40	75	4.5	1	0.8	SOD-323	
GBLC03C	300	3	4	13.9	8	2	0.8	SOD-323	
GBLC05C	300	5	6	18.3	8	1	0.8	SOD-323	
GBLC08C	300	8	8.5	18.5	8	1	0.8	SOD-323	
GBLC12C	300	12	13.3	28.6	6	1	0.8	SOD-323	
GBLC15C	300	15	16.7	31.8	5	1	0.8	SOD-323	
GBLC24C	300	24	26.7	56	3	1	0.8	SOD-323	
GBLC03I	350	3	4	20	20	5	0.8	SOD-323	
GBLC05I	350	5	6	20	18	1	0.8	SOD-323	
GBLC08I	350	8	8.5	24	18	1	0.8	SOD-323	

ESD Protection Device

Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
GBLC12I	350	12	13.3	28.6	12	1	0.8	SOD-323	
GBLC15I	350	15	16.7	31.8	10	1	0.8	SOD-323	
BLC24I	350	24	26.7	56	6	1	0.8	SOD-323	
ESD2105L	350	24	26.2	46	5	0.1	25	SOT-23	
SM03C	350	3.3	4	16	20	40	450	SOT-23	
SM05C	350	5	6	18	17	10	200	SOT-23	
SM08C	350	8	8,5	24	15	2	120	SOT-23	
SM12C	350	12	13.3	32	11	1	75	SOT-23	
SM15C	350	15	16.7	38	10	1	68	SOT-23	
SM18C	350	18	20	45	9	1	57	SOT-23	
SM20C	350	20	22.3	50	8	1	52	SOT-23	
SM24C	350	24	26.7	52	7	1	50	SOT-23	
SM36C	350	36	40	75	4.5	1	35	SOT-23	
SM05OC	130	5	5.6	16	8	1	15	SOT-23	
SM12OC	130	12	13.3	26	5	0.2	15	SOT-23	
SM24QC	200	24	26	50	3	1	13	SOT-23	
SM03CM	500	3.3	3.6	18	34	1	75	SOT-23	
SM05CM	500	5	5.6	22	23	1	65	SOT-23	
ESD0502TCU	28	5	5.6	14	2	1	3	SOT-23	
ESD0502T5CU	28	5	5.6	14	2	1	3	SOT-523	
SM712	400	12	13.3	26	17	1	75	SOT-23	
		7	7.5	16	17	20	75		
DLC05	350	5	6	20	18	1	0.8	SOT-23	
DLC12	350	12	13.3	28.6	12	1	0.8	SOT-23	
DLC15	350	15	16.7	31.8	10	1	0.8	SOT-23	
DLC24	350	24	26.7	56	6	1	0.8	SOT-23	
SD7V5HHU	6000	7.5	8	25	240	1	1700	DFN2020-3L	
SD12VHHU	5760	12	13	32	180	1	950	DFN2020-3L	
SD15VHHU	6480	15	16	36	180	1	900	DFN2020-3L	
SD18VHHU	4900	18	19	35	140	1	900	DFN2020-3L	
SD20VHHU	8800	20	21	55	160	1	400	DFN2020-3L	
SD4V5HHNC	4800	4.5	4.6	20	240	1	400	DFN2020-3L	

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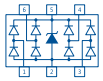
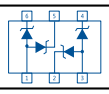
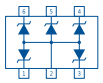
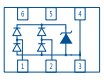
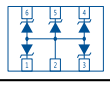
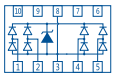
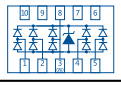
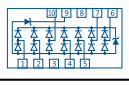
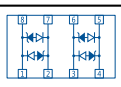
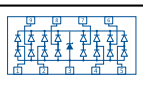
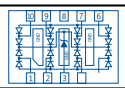
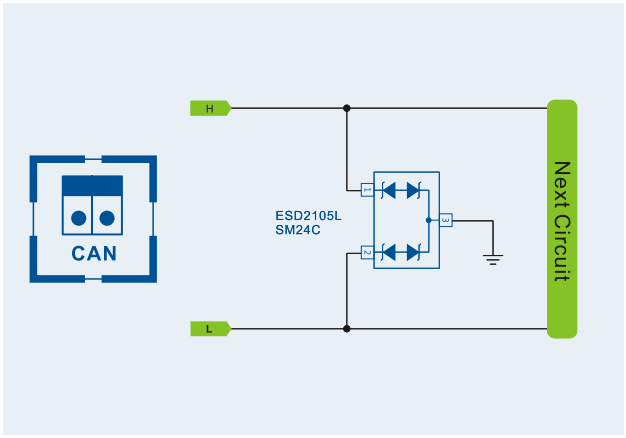
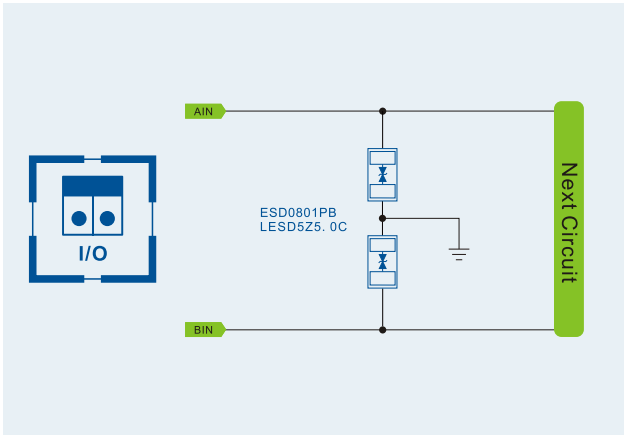
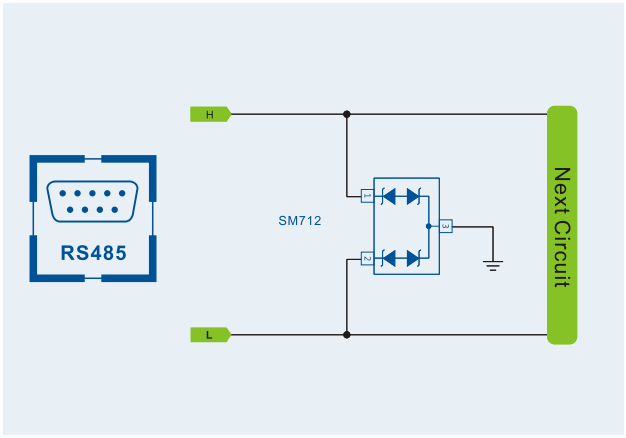
ESD Protection Device

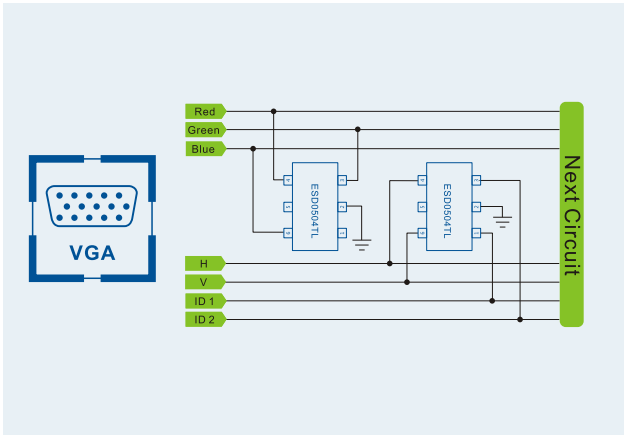
Device	P_{PP}(W)	V_{RWM}(V)	V_{BR}(V)	V_C(V)	I_{PP}(A)	I_R(uA)	C_j(pF)	Package	Configuration
SR05LC	125	5	6	25	5	1	0.9	SOT-143	
ESD0504TL	60	5	6	15	4	1	0.5	SOT-26	
SRV05-4	150	5	6	28	5	1	0.8	SOT-26	
ESD0809V	300	5	6	17	5	1	1.5	SOT-26	
ESD0504F	60	5	6	15	4	1	0.5	SOT-363	
ESD0524S	150	5	6	15	6	1	0.8	SOT-26	
ESD0505T3L	60	5	6	15	4	1	1.5	SOT-363	
ESD0505T5L	60	5	6	15	4	1	1.5	SOT-563	
ESD0522P	60	5	6	15	4	1	0.6	DFN1610-6L	
ESD0505PL	60	5	6	15	4	1	1.5	DFN1616-6L	
ESD3324P	56	3.3	4.2	14	4	1	0.5	DFN2510	
ESD3324PS	25.5	3.3	4.5	8.5	3	0.5	0.5	DFN2510	
ESD3324PL	48	3.3	3.6	12	4	1	0.8	DFN2510	
ESD0524P	60	5	6	15	4	1	0.5	DFN2510	
ESD0524SP	100	5	6	25	4	1	0.2	DFN2510	
ESD0566P	60	5	6	15	4	1	0.5	DFN4120-10L	
ESD2201-33	450	3.3	3.5	16	25	1	3.8	DFN2.6*2.6-10L	
ESD2502CW	300	2.5	3.5	20	15	0.2	0.8	DFN2010-8L	
ESD0508P	60	5	6	15	4	1	0.4	DFN3810-9L	
ESD2204-25	1000	2.5	3	20	40	1	3.8	DFN3.0*2.0-10L	

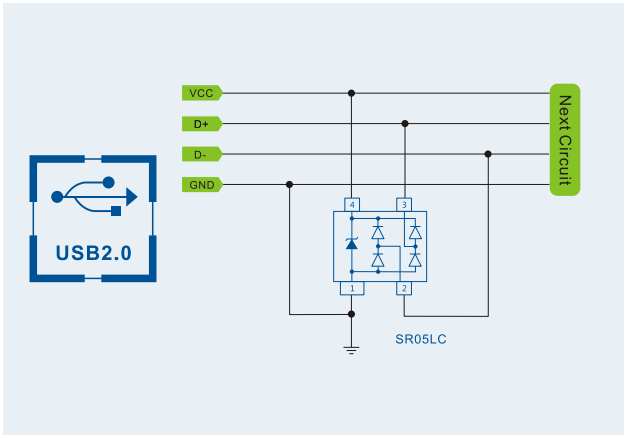
典型应用 Typical Applications

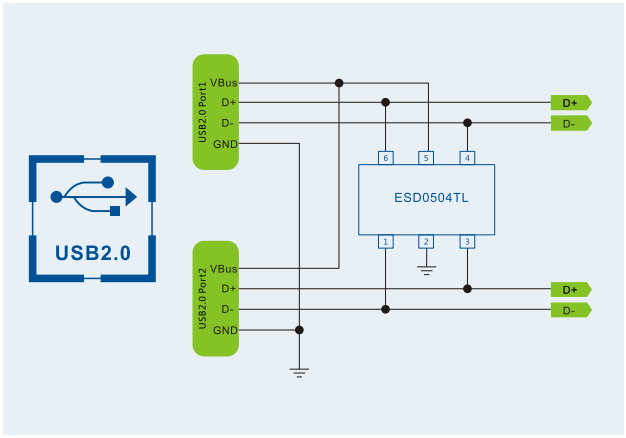


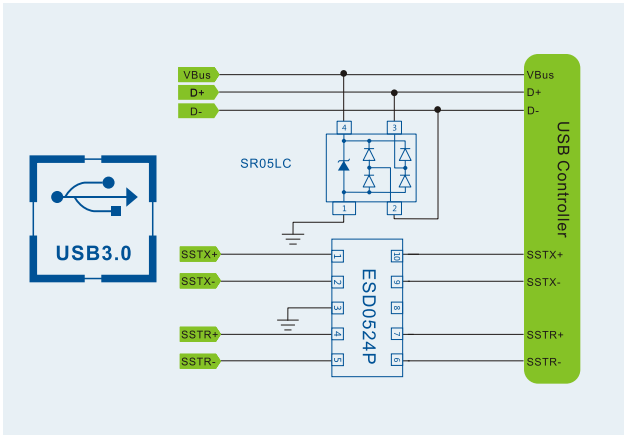


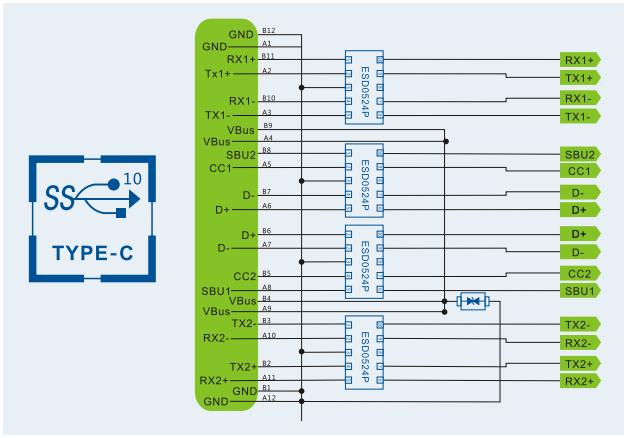


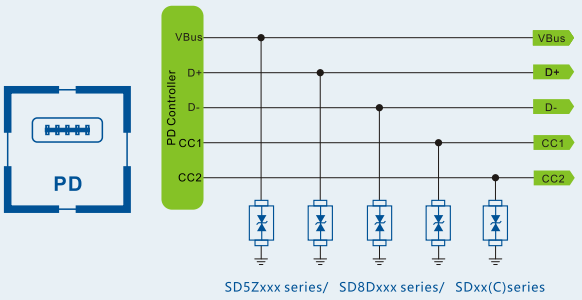




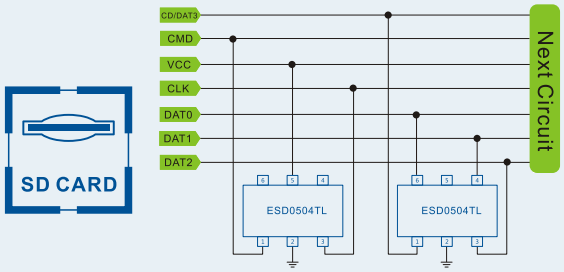


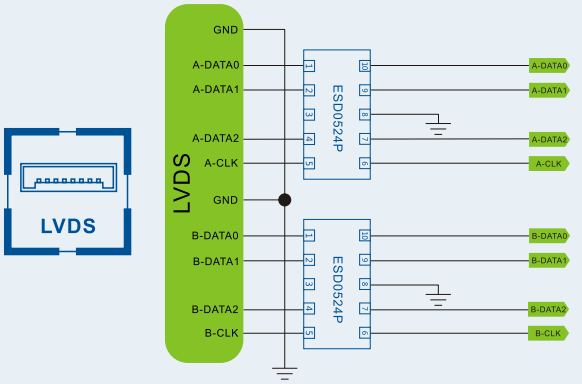


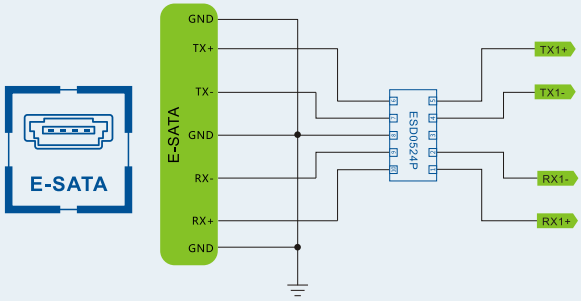


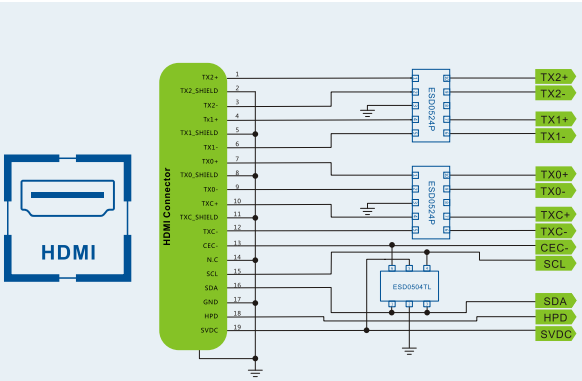


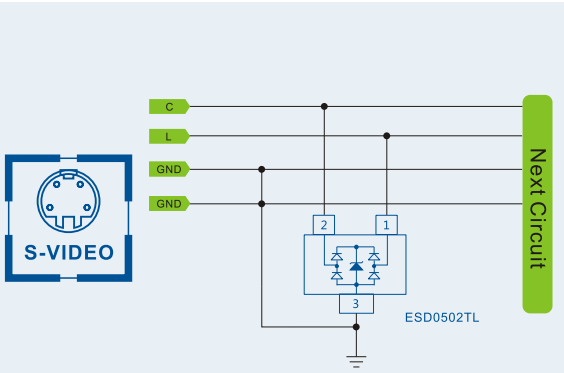
SD5Zxxx series/ SD8Dxxx series/ SDxx(C)series

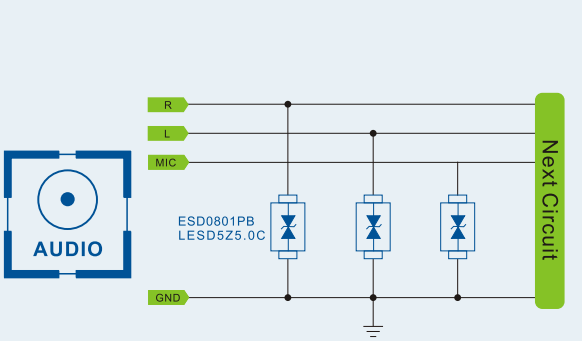


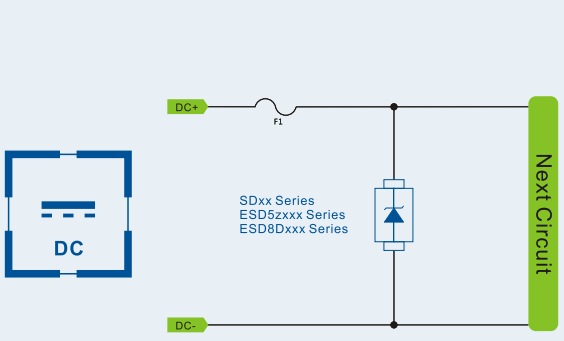


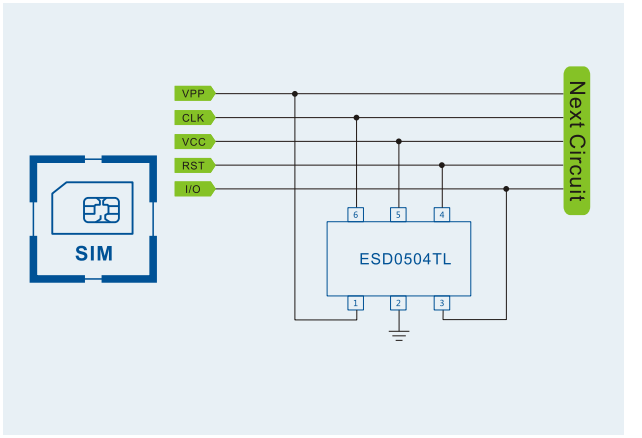








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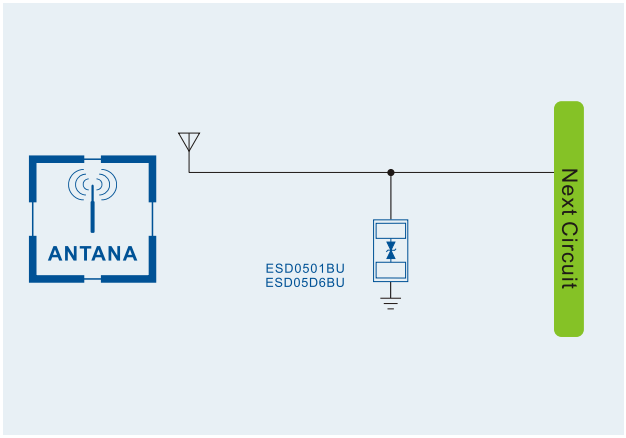
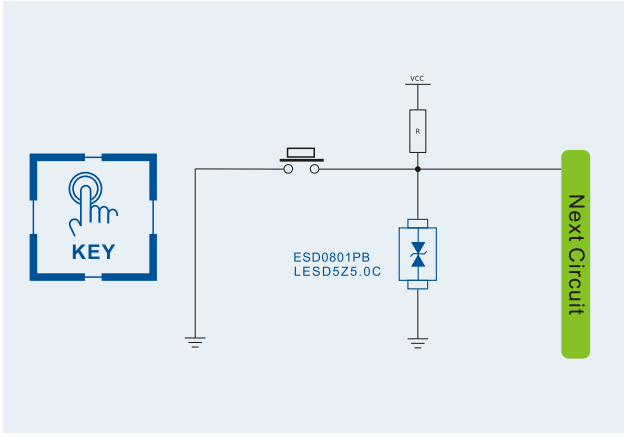
VPP
CLK
VCC
RST
I/O
ESD0504TL
Next Circuit


ANTANA
ESD0501BU
ESD05D6BU
Next Circuit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VCC
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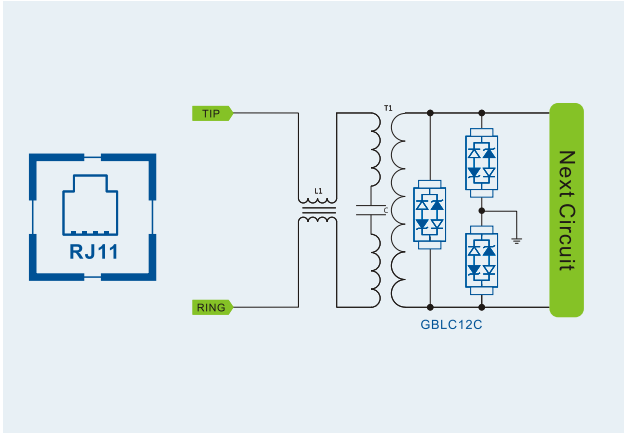
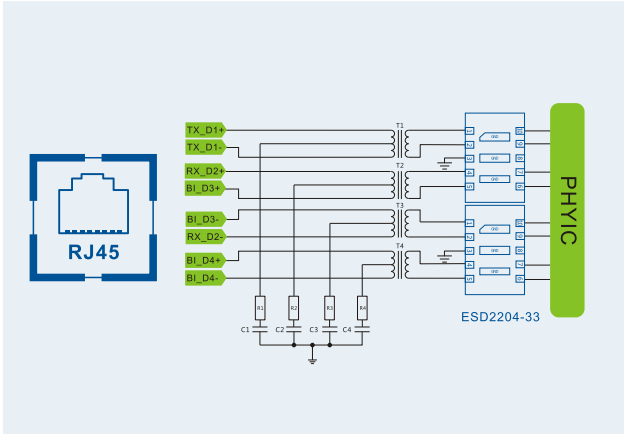
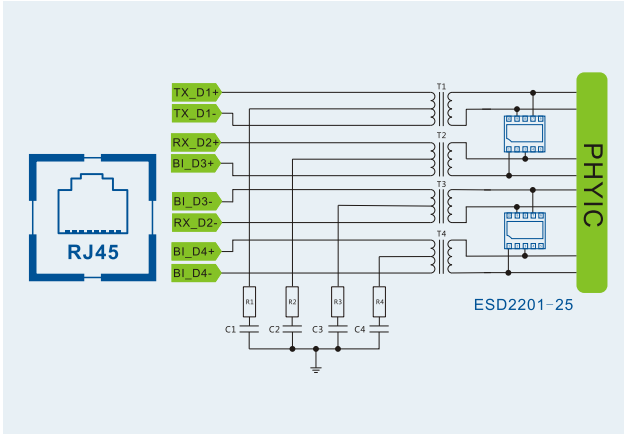
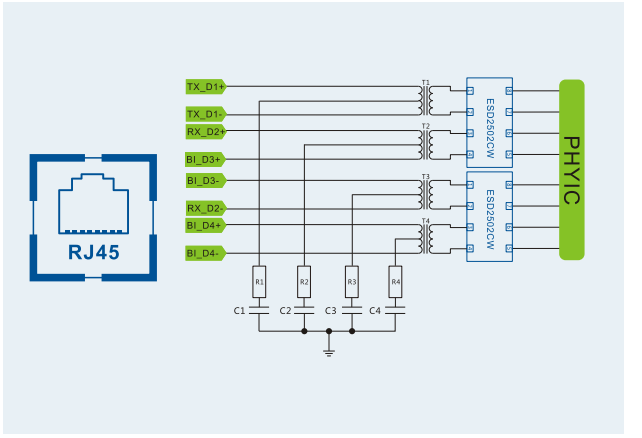
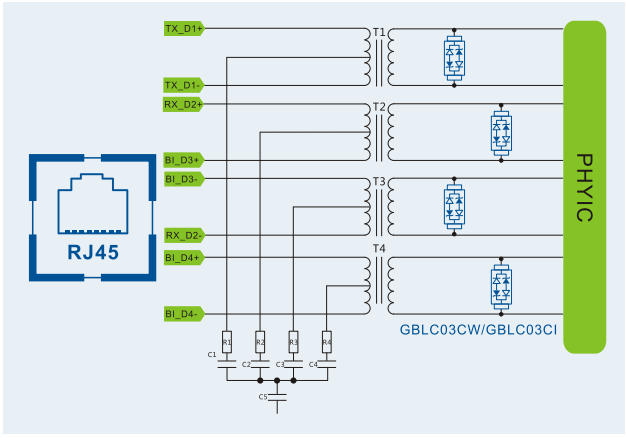
LESD5Z5.0C
Next Circuit


RJ11
TIP
RING
Next Circuit
GBLC12C


RJ45
TX_D1+
TX_D1-
RX_D2+
BI_D3+
BI_D3-
RX_D2-
BI_D4+
BI_D4-
PHYIC
ESD2204-33


RJ45
TX_D1+
TX_D1-
RX_D2+
BI_D3+
BI_D3-
RX_D2-
BI_D4+
BI_D4-
PHYIC
ESD2201-25


RJ45
TX_D1+
TX_D1-
RX_D2+
BI_D3+
BI_D3-
RX_D2-
BI_D4+
BI_D4-
PHYIC


RJ45
TX_D1+
TX_D1-
RX_D2+
BI_D3+
BI_D3-
RX_D2-
BI_D4+
BI_D4-
PHYIC
GBLC03CW/GBLC03CI

TASUND
泰盛达科技

瞬变电压抑制二极管 -- TVS系列

Transient voltage suppressor diodes - TVS Series

瞬变电压抑制二极管(Transient voltage suppressor diodes简称TVS)是一种高性能的保护器件。当TVS二极管承受高瞬态能量冲击时，它能以1x10-12秒量级的响应速度，将其两级间的高阻抗变为低阻抗，吸收高达数千瓦的浪涌功率，把两极间的电压箝位到预定的电压值，从而有效地保护敏感系统设备和元器件，消除各种浪涌脉冲对其的损害。它具有瞬态功率大，响应时间快的特点，可访雷击、防过压、防静电、抗干扰，是保护电子设备的理想器件。有人形象地说:“加装顺变电压抑制器(TVS) 等于给电子设备产品买保。

TVS目前已广泛应用于:家用电器、仪器仪表、通讯设备、计算机、铁路系统、数据传输和邮电系统等领域中。

Transient voltage suppressor diode is a kind of high performance protection devices. When TVS diode endure high transient energy impact, it can to 1x10-12 seconds, the scale of the response speed between the two levels of high impedance to set up to several thousand impedance, the absorption of the surge, between the poles of power voltage ground-clamp to scheduled voltage value, thus efectively protect sensitive system equipment and components, eliminate various surge to its pulse of damage. It has a transient big power, fast response time features, and can visit by lightning, the pressure, antistatic, anti-interference, is to protect the ideal device of electronic equipment. Someone said: "the image of the state voltage suppressor (TVS) to be equal to the electronic equipment products to buyinsurance".
TVS have been widely used in: household electric appliances, instruments and meters, communication equipment, computer, railway system, data transmission and post and telecommunications systems, etc.

Transient Voltage Suppressor (TVS)

Device		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current	Power Dissipation	Package
		V_{RWM}	$V_{BR}@I_T$		I_T	$I_R@V_{RWM}$	$V_C@I_{PP}$	I_{PP}		
			Min	Max						
UNI	BI	V	V	V	mA	uA	V	A		
SMF5.0A THRU SMF220A	SMF5.0CA THRU SMF220CA	5-220	6.4-248	7-268	1-10	1-200	9.2-390	0.5-21.7	200W	SOD-123FL
P4SMF6.8A THRU P4SMF200A	P4SMF6.8CA THRU P4SMF200CA	6.8-200	6.45-190	7.14-210	1-10	1-500	10.5-274	1.5-40	400W	SOD-123FL
P4SMAFJ5.0A THRU P4SMAFJ220A	P4SMAFJ5.0CA THRU P4SMAFJ220CA	5-220	6.4-242	7.25-310.2	1-10	1-1600	9.6-364	1-43.5	400W	SMAFL
SMAJ5.0A THRU SMAJ440A	SMAJ5.0CA THRU SMAJ440CA	5-440	6.4-489	7.25-543	1-10	1-800	9.2-786	0.5-43.5	400W	SMA
SMBJ5.0A THRU SMBJ440A	SMBJ5.0CA THRU SMBJ440CA	5-440	6.4-489	7.25-543	1-10	1-800	9.2-713	0.9-65.3	600W	SMBF
SMBFJ5.0A THRU SMBFJ440A	SMBFJ5.0CA THRU SMBFJ440CA	5-440	6.4-489	7.25-543	1-10	1-800	9.2-786	0.8-65.2	600W	SMB
SMCJ5.0A THRU SMCJ440A	SMCJ5.0CA THRU SMCJ440CA	5-440	6.4-489	7.25-543	1-10	1-800	9.2-786	1.9-163	1500W	SMC
SMDJ5.0A THRU SMDJ440A	SMDJ5.0CA THRU SMDJ440CA	5-440	6.4-489	7.25-543	1-10	1-800	9.2-786	1.9-163	3000W	SMC
P4KE6.8A THRU P4KE600A	P4KE6.8CA THRU P4KE600CA	6.8-600	6.45-570	7.14-630	1-10	5-1000	10.5-850	0.49-40	400W	DO-41
P6KE6.8A THRU P6KE600A	P6KE6.8CA THRU P6KE600CA	6.8-600	6.45-570	7.14-630	1-10	5-1000	10.5-850	0.71-58	600W	DO-15
1.5KE6.8A THRU 1.5KE600A	1.5KE6.8CA THRU 1.5KE600CA	6.8-600	6.45-570	7.14-630	1-10	5-1000	10.5-850	1.73-150	1500W	DO-201AE
5KP5.0A THRU 5KP250A	5KP5.0CA THRU 5KP250CA	5.0-250	6.4-277	7-306	1-10	10-5000	9.2-425	12-570	5000W	P600(R6)

高分子靜電抑制器件-- PESD系列
Polymer ESD Suppressors - PESD Series

Operating Temp：

Max.DC Working Voltage	3.3V	5V	12V	16V	18V	24V
Operating Temp.	-55~125℃	-55~125℃	-55~125℃	-55~125℃	-55~125℃	-55~125℃

特征 FEATURES

- 超低容值:0.05 pf(typ)
  Ultra-Low capacitance:0.05pF(typ.)
- 低漏电流(< 10 nA)
  Low leakage current(<10nA)
- 快速响应时间(< 1 ns)
  FSt response time(<1ns)
- 单路、多路信号线保护
  Bi-directional、multichannel ,single line protection
- IEC 61000-4-2 (ESD 空气): 15 千伏
  IEC 61000-4-2 (ESD Air): 15kV
  IEC 61000-4-2 (ESD 接触): 8 千伏
  IEC 61000-4-2 (ESD Contact): 8kV

用途 APPLICATIONS

- HDMI 1.3 / 1.4 / 2.0
  HDMI 1.3/1.4/2.0
- SATA 和 eSATA 接口
  SATA and eSATA Interface
- USB 3.0/3.1
  USB 3.0/3.1
- 雷击、照明
  Thunderbolt、lighting Interface
- 射频天线
  RF Antenna

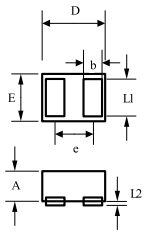
产品型号 PRODUCT IDENTIFICATION

PESD	0201 0402 0603 2510	M M/A M/A Q	XX
①	②	③	④

1 高分子静电抑制器件
Polymer ESD
2 封装形式
Package
3 M 单通道单面焊盘、A 单通道双面焊盘、Q 四通道单面焊盘
S Single Channel、S Double Channel、Q four Channel
4 工作电压
Working Voltage

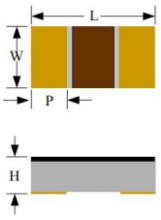
外观尺寸 SHAPE AND DIMENSIONS

0201（M）



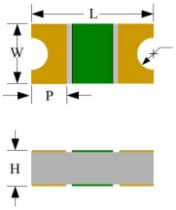
DIM	Millimeters	
	Min.	Max.
A	0.25	0.40
b	0.15	0.20
D	0.50	0.70
E	0.25	0.35
e	0.45BSC	
L1	0.20	0.30
L2	0.00	0.05

0402（M）



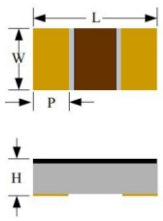
DIM	Millimeters	
	Min.	Max.
L	0.90	1.10
W	0.42	0.62
P	0.15	0.35
H	0.25	0.45

0402（A）



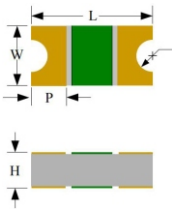
DIM	Millimeters	
	Min.	Max.
L	0.90	1.10
W	0.42	0.62
P	0.15	0.35
H	0.25	0.45
R	0.10	0.15

0603（M）



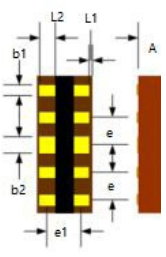
DIM	Millimeters	
	Min.	Max.
L	1.45	1.75
W	0.70	0.95
P	0.20	0.50
H	0.26	0.46

0603（A）



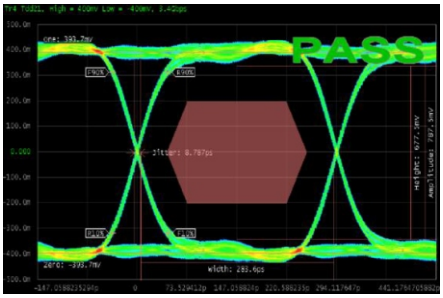
DIM	Millimeters	
	Min.	Max.
L	1.45	1.75
W	0.70	0.95
P	0.20	0.50
H	0.26	0.46
R	0.10	0.30

2510（Q）

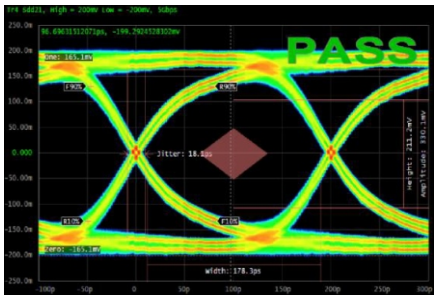


DIM	Millimeters	
	Min.	Max.
A	0.40	0.60
b1	0.10	0.30
b2	0.20	0.40
e	0.40	0.60
e1	0.50	0.70
L1	0.04	0.06
L2	0.20	0.40

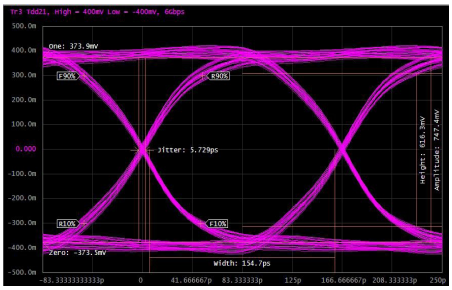
眼图测量 EYE DIAGRAM



HDMI 1.4 Mk at 3.4 Gbps



USB 3.0 Mk at 5.0 Gbps



HDMI 2.0 Mk at 6.0 Gbps

规格特性 SPECIFICATIONS

Part Number	Package	Channel	Directional	C_J (pF)	V_{RWM} (V)	ESD (Contact KV)	MPQ (pcs)
PESD0201M05	0201	1	Bi	0.05	5	±8	15,000
PESD0201M12	0201	1	Bi	0.05	12	±8	15,000
PESD0201M16	0201	1	Bi	0.05	16	±8	15,000
PESD0201M18	0201	1	Bi	0.05	18	±8	15,000
PESD0402M05	0402	1	Bi	0.05	5	±8	10,000
PESD0402M12	0402	1	Bi	0.05	12	±8	10,000
PESD0402M16	0402	1	Bi	0.05	16	±8	10,000
PESD0402M18	0402	1	Bi	0.05	18	±8	10,000
PESD0402M24	0402	1	Bi	0.05	24	±8	10,000
PESD0402A05	0402	1	Bi	0.05	5	±8	10,000
PESD0402A12	0402	1	Bi	0.05	12	±8	10,000
PESD0402A18	0402	1	Bi	0.05	18	±8	10,000
PESD0402A24	0402	1	Bi	0.05	24	±8	10,000
PESD0603M05	0603	1	Bi	0.05	5	±8	5,000
PESD0603M12	0603	1	Bi	0.05	12	±8	5,000
PESD0603M16	0603	1	Bi	0.05	16	±8	5,000
PESD0603M18	0603	1	Bi	0.05	18	±8	5,000
PESD0603M24	0603	1	Bi	0.05	24	±8	5,000
PESD0603A05	0603	1	Bi	0.05	5	±8	5,000
PESD0603A12	0603	1	Bi	0.05	12	±8	5,000
PESD0603A18	0603	1	Bi	0.05	18	±8	5,000
PESD0603A24	0603	1	Bi	0.05	24	±8	5,000
PESD2510Q05	2510	4	Uni	0.05	5	±8	3,000
PESD2510Q12	2510	4	Uni	0.05	12	±8	3,000

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