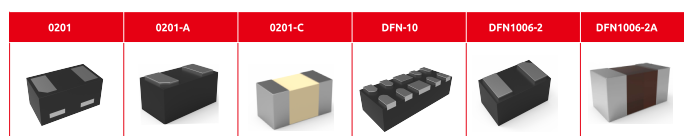


ESD Protection Devices

Part Number	Package	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage	Breakdown Voltage	Maximum Clamping Voltage	Maximum Peak Pulse Current	MAX Cj	Marking Code	Internal Diagram
		P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _{BR} (V)	V _C (V)	I _{PP} (A)	C _J (pF)		
ESDBL5V0AE1	0201	62.5	5	0.1	8	12.5	5	10	H	Fig.1
ESDBU5V0AE1	0201	80	5	1	6.5	20	4	0.9	X	Fig.1
ESDBV5V0AE1	0201	52	5	0.1	8	13	4	2	I	Fig.1
ESDU5V0AE1	0201	80	5	1	5.8	20	4	0.9	AE	Fig.2
ESD5V0AE1	0201	120	18	1	24	40	3.3	0.5	-	Fig.1
ESDB5V0AE2	0201-A	84	5	0.1	6	12	7	25	Z4	Fig.1
ESD5V0AE2	0201-A	125	5	0.1	6	25	5	0.32	ZZ	Fig.1
ESD5V0AE3	0201-C	30	5	0.1	10	12	2	3	-	Fig.1
ESDLC0524DFN10	DFN-10	150	5	0.9	6.1	18	5	0.8	-	Fig.5
ESDLC5V0DFN10	DFN-10	150	5	1	6	28	5	0.5	P524/0524P	Fig.5
ESDLC0524DFN10	DFN-10	-	5	0.9	6	15	5	0.8	-	Fig.5
ESD3V3L	DFN1006-2	300	3.3	1	4.2	15	20	250	3F	Fig.2
ESDL3V3LB	DFN1006-2	50	3.3	0.05	3.5	8	6	10	-	Fig.1
ESDLC3V3L	DFN1006-2	150	3.3	0.5	3.5	15	10	20	3P	Fig.2
ESDLC3V3LB	DFN1006-2	-	3.3	0.1	6.8	11	1	3.1	3X	Fig.1
ESD5V0L	DFN1006-2	300	5	0.5	6	15	20	160	51	Fig.2
ESD5V0LB	DFN1006-2	400	5	0.5	6	16	25	100	B8	Fig.1
ESDLC5V0LB	DFN1006-2	105	5	0.2	9	15	7	10	B2	Fig.1
ESD5V0L	DFN1006-2	80	5	0.1	6	16	4	0.7	-	Fig.3
ESDLC5V0LB	DFN1006-2	80	5	0.5	6	20	4	0.35	21	Fig.1
ESD7V0L	DFN1006-2	300	7	0.5	7.5	17	18	90	7P	Fig.2
ESD12VL	DFN1006-2	300	12	0.1	13.3	25	12	60	2P/12	Fig.2
ESD12VLB	DFN1006-2	350	12	0.1	13.3	25	14	50	T2	Fig.1
ESD15VL	DFN1006-2	300	15	0.5	20	30	10	65	15P	Fig.2
ESDLC16VLB	DFN1006-2	30	16	0.1	18	30	1	0.9	ZZ	Fig.1
ESD24VLB	DFN1006-2	300	24	0.1	27	40	5	20	A4	Fig.1
ESDLC5V0L3B	DFN1006-2A	60	5	0.2	6	12	5	10	-	Fig.1



ESD Protection Devices

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		P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _{BR} (V)	V _C (V)	I _{PP} (A)	C _J (pF)		
ESDLC5V0L2B	DFN1006-2L	75	5	0.5	5.6	15	5	15	H1	Fig.1
ESDLC5V0LTB	DFN1006-3	-	5	0.5	6	10	1	5	53	Fig.4
ESDLC0502P2	DFN1210-6	125	5	0.5	6	25	5	0.5	52P	Fig.6
ESDLC0502P6	DFN1610-6	125	5	0.5	6	25	5	1	02P	Fig.7
ESDLC0503P6	DFN1610-6	100	5	0.5	6	25	4	0.5	0503	Fig.8
ESDLC0504P3	DFN1616-6	60	5.5	0.5	6.5	12	5	0.4	53M	Fig.10
ESDLC3603P3	DFN1616-6	100	5.5	0.5	6.5	20	5	0.5	3654P/3603	Fig.9
ESD4V5P4	DFN2020-3L	6500	4.5	5	4.8	22	300	680	93P	Fig.35
ESD4V5P4B	DFN2020-3L	4000	4.5	1	4.8	19	210	400	42P	Fig.36
ESD7V0P4	DFN2020-3L	4000	7	1	7.5	22	180	1500	73P	Fig.35
ESD12VP4	DFN2020-3L	4000	12	1	14	30	130	450	12P	Fig.35
ESDLC3304P5	DFN2510-10	50	3.3	0.5	3.5	10	5	0.8	3324	Fig.11
ESDLC0544P5	DFN2510-10	100	6	0.5	6	25	4	0.3	0544	Fig.12
ESDLC3304P8	DFN2626-10	450	3.3	0.5	3.5	18	25	2	3304	Fig.13
ESDLC2504P9	DFN3020-10	1000	2.5	0.5	2.7	25	40	2.5	2544/2574N	Fig.14
ESDLC5V0PB8	DFN3810-9	100	5	0.5	6	20	5	0.35	0508P	Fig.15
ESDLC5V0PA6	DFN4120-10	100	5	0.5	6	20	5	0.4	0506	Fig.16
ESDLC0514MP	MSOP-10	100	5	0.5	6	20	5	0.5	514M	Fig.17
ESDH12VD1	SOD-123	4200	12	1	13	35	120	620	E12	Fig.2
ESD3V3D3	SOD-323	500	3.3	1	5	9.3	7	100	-	Fig.2
ESD3V3D3B	SOD-323	500	3.3	0.5	4.2	17	30	200	33	Fig.1
ESDLC3V3D3B	SOD-323	350	3.3	1	4	36	28	4.5	03C	Fig.18
ESDLC3V3D3	SOD-323	350	3.3	20	4	36	28	4.5	3	Fig.3
ESDSL3V3D3B	SOD-323	350	3.3	0.1	4	8	20	1.5	-	Fig.18
ESDN4V5D3B	SOD-323	2000	4.5	1	4.6	15	135	300	48D	Fig.1
ESD5V0D3B	SOD-323	120	5	1	8.8	15	8	27	B5/5.C	Fig.1
ESD5V0D3	SOD-323	350	5	1	7.3	9.8	15	350	ZA	Fig.2
ESDH5V0D3B	SOD-323	476	5	1	7.5	17	28	60	WC	Fig.1



ESD Protection Devices

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		P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _{BR} (V)	V _C (V)	I _{PP} (A)	C _J (pF)		
ESDLC5V0D3B	SOD-323	350	5	1	6	32	21	5	05C/BV5	Fig.18
ESDLC5V0D3	SOD-323	350	5	5	6	32	21	5	5	Fig.18
ESDSL5V0D3B	SOD-323	350	5	0.5	6	28	18	2	R5	Fig.18
SD05	SOD-323	500	5	1	6	12.5	40	350	-	Fig.2
SD05C	SOD-323	350	5	1	6	13.5	30	125	05C	Fig.1
ESDLC8V0D3B	SOD-323	350	8	1	8.5	31.6	18	3	-	Fig.18
ESD12VD3B	SOD-323	350	12	1	13.5	15.5	1	100	12C	Fig.1
ESD12VD3	SOD-323	350	12	1	15.75	22	12	150	ZC	Fig.2
ESDLC12VD3B	SOD-323	350	12	1	13.3	28.6	11	3	2C	Fig.18
ESDN12VD3	SOD-323	990	12	1	13	27	30	100	-	Fig.2
ESDULC12VD3B	SOD-323	500	12	0.2	17.8	29	12	2	R2	Fig.18
SD15C	SOD-323	350	15	1	16.7	40	12	75	7/7	Fig.1
ESD18VD3B	SOD-323	400	18	1	20	40	10	20	-	Fig.1
ESDLC24VD3	SOD-323	330	24	1	33	44	7.5	36	-	Fig.2
ESDLC24VD3B	SOD-323	350	24	1	26.7	45	6	3	-	Fig.1
SD24C	SOD-323	350	24	1	26.7	62	8	50	8/8 or 24	Fig.1
SD36C	SOD-323	240	36	1	48	80	3	15	36C	Fig.1
ESD39VD3B	SOD-323	200	39	0.1	35.1	-	-	30	J7	Fig.1
ESDH12VD3L	SOD-323FL	350	12	1	13.3	19	15	100	E6	Fig.2
ESD3V3D5B	SOD-523	96	3.3	0.5	4.2	12	8	16	3Y	Fig.1
ESD3V3D5	SOD-523	220	3.3	0.08	5	13	16	105	ZE	Fig.2
ESDH3V0D5B	SOD-523	325	3.3	1	6	13	25	36	B3	Fig.1
ESDLC3V3D5	SOD-523	155	3.3	0.1	3.5	14.5	11	12	3D	Fig.3
ESD5V0D5	SOD-523	174	5	0.08	6.2	18.6	9.4	80	ZF	Fig.2
ESD5V0D5B	SOD-523	150	5	1	8.8	13	12	27	B5/5C	Fig.1
ESDBV5V0D5	SOD-523	52	5	1	5.6	13	4	3	HD	Fig.1
ESDH5V0D5	SOD-523	300	5	0.5	6	14	22	160	5D	Fig.2
ESDLC5V0D5B	SOD-523	150	5	0.1	7.8	12	5	12	BH	Fig.1



ESD Protection Devices

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		P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _{BR} (V)	V _C (V)	I _{PP} (A)	C _J (pF)		
ESD5V0D5	SOD-523	80	5	0.5	6	16	5	0.7	5Y	Fig.3
ESD7V0D5	SOD-523	200	7	0.03	7.5	22.7	8.8	65	ZH	Fig.2
ESD12VD5	SOD-523	240	12	0.02	14.1	25	9.6	55	ZM	Fig.2
ESD24VD5	SOD-523	330	24	1	33	44	7.5	36	ZY	Fig.2
ESD3V3D7	SOD-723	113	3.3	2.5	5	11.9	10.4	80	E0	Fig.2
ESD5V0D7	SOD-723	117	5	1	6.2	13.3	8.8	65	E2	Fig.2
ESDLC5V0D7B	SOD-723	100	5	0.1	5.8	12.5	5	12	H	Fig.1
ESD12VD7	SOD-723	128	12	1	13.5	23.7	5.4	30	E3	Fig.2
ESD5V0LP	SOD-882	107	5	1	6.2	12.3	8.7	65	B	Fig.2
ESD5V0LPB	SOD-882	100	5	0.1	8.8	12.5	11.2	30	EB	Fig.1
ESDLC5V0LPB	SOD-882	100	5	0.1	8	12.5	5	12	H	Fig.1
ESD5V0LP	SOD-882	105	5	1	5.4	10	1	0.9	-	Fig.2
ESD5V0LPB	SOD-882	100	5	1	8	13	4	3	HB	Fig.1
ESD5V0LPB	SOD-882E	150	3.3	1	4.8	10	1	0.9	-	Fig.1
ESD3V3D9	SOD-923	100	3.3	1	5	8.8	5	50	E1	Fig.2
ESD3V3D9B	SOD-923	80	3.3	1	4	-	-	8	-	Fig.1
ESD5V0D9	SOD-923	100	5	1	7.2	11	5	40	B	Fig.2
ESD5V0D9B	SOD-923	80	5	1	7.8	11	5	15	9C/C	Fig.1
ESDLC5V0D9	SOD-923	100	5	1	8.5	9.8	1	0.5	9L	Fig.2
ESDLC5V0D9B	SOD-923	80	5	1	7.8	9	1	2.1	1L	Fig.1
ESD7V0D9	SOD-923	100	7	1	8	14.8	5	30	9M	Fig.2
ESD12VD9	SOD-923	100	12	1	13.5	18.4	1	15	C	Fig.2
ESD2V8P8U	SOP-8	400	2.8	1	3	8.5	5	3	SLVU2.8-4	Fig.19
ESDLC2V8P8U	SOP-8	400	2.8	1	3	8	5	0.7	-	Fig.19
SLVU2.8-4	SOP-8	600	2.8	1	3	15	24	1	2.8-4	Fig.19
LC03-3.3	SOP-8	7200	3.3	0.5	3.5	48	150	16	LC-3.3	Fig.20
ESD5V0T143-4U	SOT-143	500	5	5	6	20	28	3	R05A	Fig.21
LSR05	SOT-143	90	5	0.5	6	18	5	0.4	R0502	Fig.21



ESD Protection Devices

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		P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _{BR} (V)	V _C (V)	I _{PP} (A)	C _J (pF)		
SR05	SOT-143	500	5	0.5	6	20	25	6	ASR05	Fig.21
SR70	SOT-143	-	70	5	85	7	24	10	SR70	Fig.22
SLVU2.8	SOT-23	500	2.8	1	3	8	5	13	U2.8	Fig.27
ESD3V3AP	SOT-23	300	3.3	10	5	7.5	13.3	150	3M3	Fig.23
SM3.3	SOT-23	360	3.3	1.5	6	20	18	200	S33 M	Fig.23
SM3.3B	SOT-23	350	3.3	1.5	4	10	25	100	33C	Fig.26
ESDLC5V0C2	SOT-23	650	5	1	6	26	25	2	V5C1	Fig.24
ESDSL5V0T2	SOT-23	100	5	0.5	6	20	5	0.4	5M	Fig.23
ESDU5V0C2	SOT-23	87.5	5	1	6	25	3.5	0.8	U5C2	Fig.25
LSM05B	SOT-23	50	5	0.1	8	10	5	15	BL5A	Fig.26
SM05	SOT-23	300	5	10	7.3	9.8	12	110	5M	Fig.23
ESDA6V1L	SOT-23	300	5.25	20	7.2	9	1	140	EL61	Fig.23
SL12	SOT-23	300	12	0.5	13.3	24	12	5	L12	Fig.23
SM12	SOT-23	300	12	1	15.75	19	11.2	60	12M/12C	Fig.23
SM12B	SOT-23	300	12	0.5	13.3	30	10	32	-	Fig.26
SM12C	SOT-23	300	12	1	15.75	19	11.2	95	12L	Fig.28
SM712	SOT-23	400	12	1	13.3	21	5	45	B712/712	Fig.26
SM15B	SOT-23	300	15	0.2	17	35	8	25	15C	Fig.26
SM22	SOT-23	300	22	1	27	44	3	80	S24	Fig.23
SM24B	SOT-23	300	24	0.2	27	50	4	20	24C/24M	Fig.26
SM36	SOT-23	240	36	1	48	80	3	30	36M	Fig.23
SM36B	SOT-23	300	36	0.2	38	90	3	15	36C	Fig.26
ESDA6V1-4L	SOT23-6L	80	5	1	6.1	12	3	10	VT5	Fig.30
ESDU5V0H4	SOT23-6L	125	5	1	8.8	25	5	0.8	U5H4	Fig.31
PSRV05-4	SOT23-6L	500	5	1	6	20	25	4	V05	Fig.31
SRV05-4A	SOT23-6L	300	5	5	6	25	12	3	V05/SV05	Fig.31
SRV05-4L	SOT23-6L	350	5	1	6	17.5	12	1.5	V05	Fig.31
ESD12VK4	SOT23-6L	220	12	1	13.3	24	9	45	12VK4	Fig.29



ESD Protection Devices

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		P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _{BR} (V)	V _C (V)	I _{PP} (A)	C _J (pF)		
ESD5V0J4	SOT-353	200	5	2	7.2	12.5	5	90	12	Fig.32
ESDLC5V0J4	SOT-353	20	5	1	7.2	9.8	1.6	14.5	4H	Fig.32
ESD5V0K5	SOT-363	100	5	5	7.2	12.5	8	130	22	Fig.33
ESDLC5V0K5	SOT-363	100	5	1	7.2	10.8	1.6	11.5	L2	Fig.33
SRV05-4	SOT-363	-	5	2	6	15	1	2	-	Fig.31
ESDLC5V0T5	SOT-523	125	5	1	5.6	23	5	2	P5	Fig.23
ESDU5V0T5	SOT-523	56	5	1	9.4	11	4	0.5	U5E2/P5	Fig.23
ESDLC3V0L4	SOT-553	20	3	1	5.9	8	2.5	9	5P	Fig.32
ESD5V0L4	SOT-553	200	5	5	7.2	13.5	5	80	42	Fig.32
ESDLC5V0L4	SOT-553	20	5	1	7.2	11	1.6	14	5H	Fig.32
ESD5V0M5	SOT-563	100	5	5	7.2	13.5	5	32	52	Fig.33
ESDLC5V0M5	SOT-563	20	5	1	7.2	12	1.6	10	L2	Fig.33
ESDU5V0M5	SOT-563	90	5	1	10	25	3.5	0.8	U5N2	Fig.34
SRV05-4S	SOT-563	125	5	1	6	25	5	0.8	-	Fig.31
ESDLC5V0T7	SOT-723	110	5	1	5.6	23	5.5	2	T5	Fig.23
ESDLC5V0BM	SOT-883	50	5	0.1	8	10	5	10	H	Fig.26



ESD Protection Devices

Internal Diagram



Fig.1



Fig.2



Fig.3

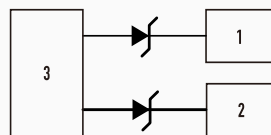


Fig.4

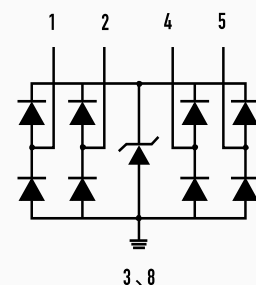


Fig.5

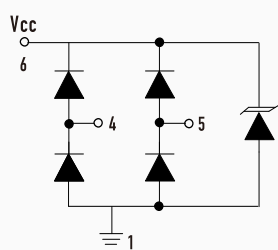


Fig.6

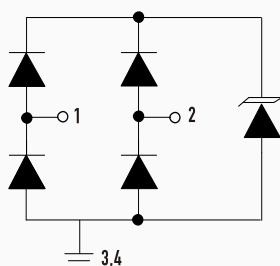


Fig.7

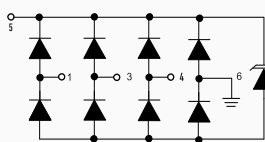


Fig.8

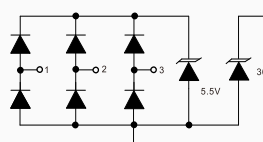


Fig.9

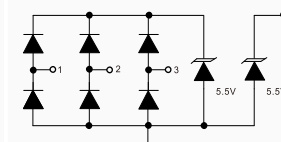


Fig.10

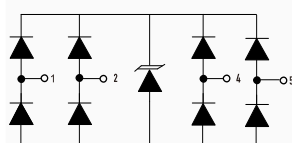


Fig.11

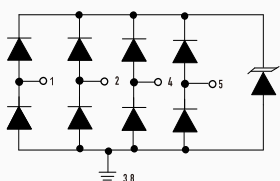


Fig.12

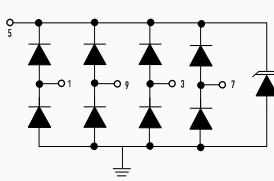


Fig.13

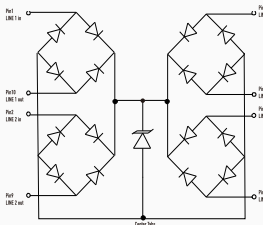


Fig.14

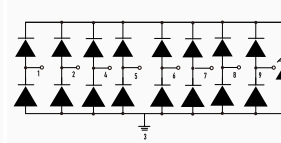


Fig.15

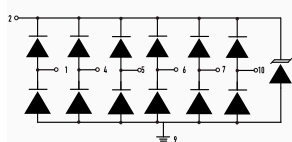


Fig.16

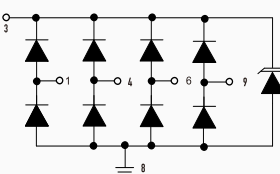


Fig.17



Fig.18

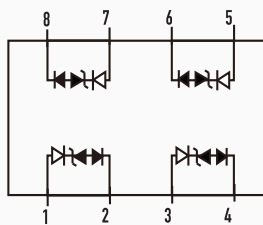


Fig.19

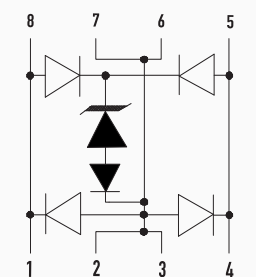


Fig.20

ESD Protection Devices

Internal Diagram

Fig.21	Fig.22	Fig.23	Fig.24	Fig.25
Fig.26	Fig.27	Fig.28	Fig.29	Fig.30
Fig.31	Fig.32	Fig.33	Fig.34	Fig.35
Fig.36				