

ESD PROTECTION DEVICES

MCC Part Number	Reverse Standoff Voltage VRWM(V)	Breakdown voltage VBR(V) Min@IT	Peak Power Dissipation PPK	Maximum Peak Pulse Current IPP	Maximum Reverse Leakage IR@VRWM	Maximum Clamping Voltage VC @MAX IPP	MAX Cj@VR=0V,f=1MHZ	Package Type	Internal Diagram
	(V)	(V)	(W)	(A)	(uA)	(V)	(pF)		
ESD2V8P8U	2.8	3	400	...	1	...	3	SOP-8	Fig.12
ESDLC2V8P8U	2.8	3	400	...	1	...	0.7	SOP-8	Fig.12
SLVU2.8	2.8	3	500	5	1	8	TYP 13	SOT-23	Fig.18
ESD3V3D9	3.3	5	100	5	1	8.8	50	SOD-923	Fig.6A
ESD3V3D7	3.3	5	113	10.4	2.5	11.9	80	SOD-723	Fig.6A
ESD3V3D5	3.3	5	158	11.2	0.08	14.1	105	SOD-523	Fig.6A
ESD3V3D3	3.3	5	500	7	1	9.3	TYP 100	SOD-323	Fig.6A
ESDLC3V3D3	3.3	4	350	28	1	36	TYP 4.5	SOD-323	Fig.10
ESDLC3V3D3B	3.3	4	350	28	1	36	TYP 4.5	SOD-323	Fig.11
ESDA6V1L	5.25	6.1	300	...	20	...	140	SOT-23	Fig.7
ESD5V0D9	5	6	100	5	1	11	40	SOD-923	Fig.6A
ESD5V0D9B	5	5.6	80	...	1	...	TYP 15	SOD-923	Fig.15
ESDLC5V0D9	5	5.6	80	...	1	...	TYP 2.1	SOD-923	Fig.6A
ESDLC5V0D9B	5	5.6	80	...	1	...	TYP 0.6	SOD-923	Fig.15
ESD5V0D7	5	6.2	117	8.8	1	13.3	85	SOD-723	Fig.6A
ESD5V0D5	5	6.2	174	9.4	0.08	18.6	80	SOD-523	Fig.6A
ESD5V0D5B	5	5.6	200	...	1	...	32	SOD-523	Fig.15
ESD5V0D3	5	6.2	350	15	1	15.5	350	SOD-323	Fig.6A
ESD5V0D3B	5	6	500	42	1	13.5	35	SOD-323	Fig.15
ESDLC5V0LPB	5	5.8	---	5	0.1	12.5	15	SOD-882	Fig.15
ESDLC5V0D3	5	6	350	21	1	32	TYP 5	SOD-323	Fig.10
ESDLC5V0D3B	5	6	350	21	1	32	TYP 5	SOD-323	Fig.11
ESDLC5V0T7	5	5.6	110	5	1	13.5	2	SOT-723	Fig.7
ESDLC5V0T5	5	5.6	125	5	1	13.5	2	SOT-523	Fig.7
ESD5V0M5	5	6	100	5	5	13.5	TYP 32	SOT-563	Fig.8
ESD5V0L4	5	6	100	5	5	13.5	TYP 32	SOT-553	Fig.9
ESD5V0J4	5	6	100	5	5	12.5	35	SOT-353	Fig.9
ESD5V0K5	5	6	100	5	8	12.5	35	SOT-363	Fig.8
SRV05-4	5	6	...	...	1	...	TYP 1.5	SOT-363	Fig.13
SRV05-4L	5	6	...	...	1	...	TYP 1.5	SOT23-6L	Fig.13
ESDLC5V0T2	5	6.2	500	5	0.5	10	TYP 3	SOT-23	Fig.18
SM05	5	6.2	300	12	10	9.8	225	SOT-23	Fig.7
ESD5V0T143-4U	5	6	500	...	5	...	3	SOT-143	Fig.14
ESDLC5V0DFN10	5	6	150	5	1	28	TYP 0.5	DFN-10	Fig.20
ESD7V0D9	7	5	100	5	1	14.8	30	SOD-923	Fig.6A
ESD7V0D5	7	7.5	200	8.8	0.03	22.7	65	SOD-523	Fig.6A
ESD12VD9	12	13.5	100	1	1	18.4	TYP 15	SOD-923	Fig.6A
ESD12VD7	12	13.5	128	5.4	1	23.7	30	SOD-723	Fig.6A
ESD12VD5	12	14.1	240	9.6	0.02	29	55	SOD-523	Fig.6A
ESD12VD3	12	13.3	350	12	1	33	150	SOD-323	Fig.6A
ESDLC12VD3	12	13.3	350	11	1	28.6	TYP 3	SOD-323	Fig.10
ESDLC12VD3B	12	13.3	350	11	1	28.6	TYP 3	SOD-323	Fig.11
SM12	12	13.3	300	11.2	1	19	95	SOT-23	Fig.7

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	(V)	(V)	(W)	(A)	(uA)	(V)	(pF)		
SM22	22	23.5	225	1	1	38	TYP 80	SOT-23	Fig.7
SM712	7/12	7.5/13.3	400	12	1	10.5/21	TYP 45	SOT-23	Fig.17
SR70	70	85	...	24	20	7	10	SOT-143	Fig.19

Part Number	Max Continuous Operating Voltage	Type Trigger Voltage@ 8KV	Type Clamping Voltage@ 8KV	Max Leakage Current@Max VDC	MAX Cj@VR=0V,f=1MHZ	Package Type	Internal Diagram
	(V)	(V)	(V)	(nA)	(pF)		
MLESD08A-2510	8	300	15	10	TYP 0.15	2510	Fig.16
MLESD12A-0402	12	300	20	10	TYP 0.15	0402	Fig.15
MLESD24B-0603	24	500	36	10	TYP 0.15	0603	Fig.15



Fig.6A

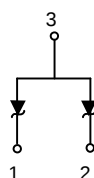


Fig.7

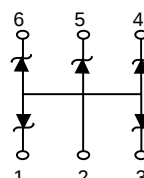


Fig.8

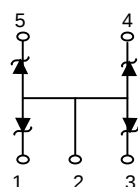


Fig.9

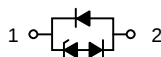


Fig.10

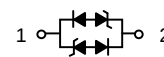


Fig.11

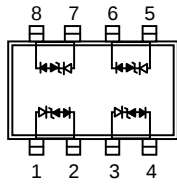


Fig.12

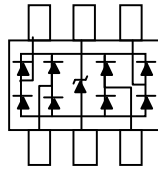


Fig.13

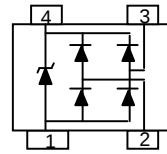


Fig.14



Fig.15

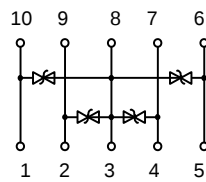


Fig.16

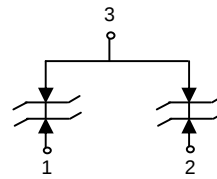


Fig.17

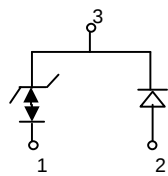


Fig.18

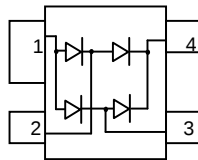


Fig.19

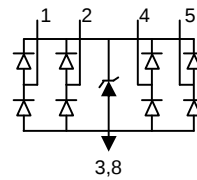


Fig.20