

# LITEON<sup>®</sup>



## SEMICONDUCTOR

# Lite-On Semiconductor

## ESD Protection Diodes

### Part Selection Guide

Part Number	Package	Capacitance C <sub>J</sub>	Stand-Off Voltage V <sub>DRM</sub>	Breakdown Voltage @I <sub>R</sub> =1mA (V)	Vc Clamping Voltage (V)	I <sub>pp</sub> (A) Fc (cut-off Freq.) MHz	P <sub>ppm</sub> (W) DC Power per Resistor (mW)	BiDirectional or UniDirectional	Device Schematic
L13ESD5V0CB2	SOD-323	45	5	9.5	14	12	130	Bi	
L35ESD5V0CB2	SOD-323	200	5	6	14.5	24	350	Bi	
L35ESD5LV0CB2	SOD-323	2	5	6	18.3	9.8	350	Bi	
L35ESD12VCB2	SOD-323	100	12	15.5	24	15	350	Bi	
L26ESD5V0A2	SOD-523	140	5	7.2	17	15	260	Uni	
L13ESD5V0CA2	SOD-523	45	5	9.5	14	12	130	Bi	
L18ESD12VA2	SOD-523	75	12	15.8	18	6	180	Uni	
L16ESD24VA2	SOD-523	23	24	27.5	20	18	160	Uni	
L13ESD5V0CE2	SOD-882	45	5	9.5	14	12	130	Bi	
L15ESD12VE2	SOD-882	75	12	15.8	25	6	150	Uni	
L15ESD24VE2	SOD-882	23	24	28	20	10	150	Uni	
L10ESDL5V0CE2	SOD-882	0.3	5	6	25	4	100	Bi	
L02ESD5V0E3	SOD-883	10	5	7.1	12.5	2	25	Uni	
L04ESD5V0CP2	SOD-923	4.5	5	6	9	12	45	Bi	
L14ESD12VP2	SOD-923	16	12	14.7	24	6	140	Uni	
L14ESD24VP2	SOD-923	16	24	14.7	24	6	140	Uni	
L02ESDL5V0CP2	SOD-923	0.5	5	5.8	8	15	1.5	Uni	
L01ESDL5V0Q2	201	0.6	5	5.8	8	15	2.5	Bi	
L18ESD5V0C3-2	SOT-23	140	5	7.2	15	12	180	Uni	
L30ESD5V0C3-2	SOT-23	160	5	7.2	20	15	300	Uni	
L30ESD5V0AC3-2	SOT-23	160	5	7.2	20	15	300	Uni	
L30ESDL5V0C3-1	SOT-23	5	5	6.4	11	17	300	Uni	
L30ESDL5V0C3-2	SOT-23	1	5	6.4	20	17	340	Uni	
L30ESD12VC3-2	SOT-23	100	12	15.8	25	12	300	Uni	
L30ESD24VC3-2	SOT-23	350	24	26.7	43	5	300	Uni	
L20ESDL3V3C6-4	SOT-23-6L	40	3.3	3.5	8.7	12	200	Uni	
L18ESD5V0C6-4	SOT-23-6L	100	5	6.51	12	15	180	Array	
L30ESDL5V0C6-4	SOT-23-6L	3	5	6	17.5	12	30	Array	
L15ESDL5V0C6-4	SOT-23-6L	0.3	5	6	9	6.5	150	Array	
L50ESDL5V0H4-2	SOT143	3	5	6	20	25	500	Array	
L50ESDL12VH4-2	SOT143	3	12	13.3	31	16	500	Array	
L02ESD5V0D5-4	SOT-353	9.5	5.25	7.2	13	2	25	Array	

L02ESDL5V0D6-5	SOT-363	19	5	7.2	12	2.5	25	Array	
L15ESDL5V0D6-4	SOT-363	1.5	5	6	25	6	150	Bi	
L12ESDL5V0G3-2	SOT-523	0.9	5	6	25	5	125	Uni	
L20ESDL24VG3-2	SOT-523	0.5	24	26.7	55	4	200	Uni	
L02ESD5V0F6-5	SOT-563	19	5	7.2	12	2.5	25	Array	
L02ESD5V0CF6-5	SOT-563	40	5	7.8	12	7	100	Bi	
LEF01016F6-2	SOT-563	160	5	6	11.5	42	100	Bi	
LEF03216F6-2	SOT-563	160	5	6	37	39.8	100	Bi	
L12ESDL5V0F6-2	SOT-563	0.3	5	6	18	3	50	Array	
LEF10003M8-4	SLP2116P8	20	5	8	100	180	100	Bi	
LEF10001M8-4	SLP2116P8	20	5	8	115	297.671	100	Bi	
LEF20003MC-6	SLP3016P12	24	5	8	230	112	100	Bi	
LEF10001MC-6	SLP3016P12	24	5	10	115	297.671	100	Bi	
LEF10001MG-8	SLP4016P16	20	5	8	115	297.671	100	Bi	
LEFH1701M8-4	SLP1713P8	15	5	8	230	112	100	Bi	
LEFH1701MC-6	SLP2513P12	15	5	10	115	297.671	100	Bi	
LEFH1701MG-8	SLP3313P16	15	5	8	115	297.671	100	Bi	
L15ESDL5V0M6-4	SLP1616P6	0.8	5	6	18	6	150	Array	
L15ESDL5V0N6-2	SLP1210P4	0.3	5	6	15	5	150	Array	
L30ESDL5V0M6-4	SLP2020P6	1.5	5	6	17.5	5	300	Array	
L15ESDL5V0NA-4	SLP2510P8	0.3	5	6	15	5	150	Array	
L45ESDL3V3MA-4	SLP2626P10	2	3.3	3.5	18	25	450	Array	
L12ESDL5V0JA-4	MOSP-10L	0.7	5	6	20	5	125	Array	
L45ESDL2V5MA-4	SLP2626P10	2	2.5	2.7	15	25	450	Array	
L60ESDL2V8S8-4	SO-8	3	2.8	3	15	24	600	Array	
L10ESDL6V5N6-3	SLP1210N6	100	5	8	100	50	100	Array	

#### ABOUT WPI

**WPI Line Card**  
(pdf download)

**Antenna Line Card**  
(pdf download)

[Our Team](#)

[Careers](#)

[News](#)

[Driving Directions](#)

#### WORKING WITH WPI

[Contact Us](#)

[Business Units](#)

[Samples, Pricing & Availability](#)

[Literature Request](#)

[Sales Reps & Distributors](#)

[Technical Support](#)

[Antenna Design Assistance](#)

[On-Site Laboratories](#)

#### PRODUCT LINES

##### NEXEM

[Miniature Power Relays](#)

[Miniature Signal Relays](#)

##### WPI Overvoltage Protection Components

##### Lite-On Semiconductor

##### Ebusbar

##### Pilkor Film Caps

##### WRG Industrial Relays

##### Antenna Products

[REACH/SVHC Compliance](#)

#### DISTRIBUTION NETWORK LOGIN

[Approval Agencies](#)

