

ESD Protection & Power TVS

As electronic systems become smaller and more complex, protection from electrostatic discharge, transients, over-voltage, and EMI is more crucial than ever. MCC's selection of protection solutions safeguards sensitive automotive and industrial designs at the highest level while providing small footprints for design flexibility.

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Automotive Products

Automotive ESD Protection

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDL3V3LBHE3	DFN1006-2L	1	Bidirectional	60	3.3	0.10	1	4.5	6.5	9	8	25
ESDSB3V3LBHE3	DFN1006-2L	1	Bidirectional	90	3.3	1.00	1	3.5	6	10	9	25
ESDULC3V3LBHE3	DFN1006-2L	1	Bidirectional	80	3.3	0.10	1	4.8	7	20	4	0.65
ESD3V3T2BHE3	SOT-23	2	Bidirectional	400	3.3	0.50	1	5	7	16	25	100
ESDLC5V0LBHE3	DFN1006-2L	1	Bidirectional	80	5.0	0.10	1	6	8	10	8	15
ESDSB5V0LBHE3	DFN1006-2L	1	Bidirectional	70	5.0	1.00	1	5.7	8	10	7	20
ESDULC5V0LBHE3	DFN1006-2L	1	Bidirectional	100	5.0	0.10	1	6	9.5	25	4	0.6
ESD5V0D3HE3	SOD-323	1	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESDH5V0D3HE3	SOD-323	1	Unidirectional	600	5.0	1.00	1	6.2	7.5	20	30	220
ESDSB5V0D3BHE3	SOD-323	1	Bidirectional	400	5.0	1.00	1	6		17	24	100
ESD5V0D5HE3	SOD-523	1	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESDSBL5V0D5BHE3	SOD-523	1	Bidirectional	70	5.0	1.00	1	5.7	8	10	7	20
ESD5V0ET2HE3	SOT-23	2	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESD5V0T2HE3	SOT-23	2	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESDSB5V0T2BHE3	SOT-23	2	Bidirectional	400	5.0	1.00	1	6	7.5	17	24	100
ESD7V0LBHE3	DFN1006-2L	1	Bidirectional	90	7.0	0.50	1	7.5	10.5	15	6	23
ESD7V0T2BHE3	SOT-23	2	Bidirectional	255	7.0	0.50	1	7	10	15	17	63
ESDLC8V0LBHE3	DFN1006-2L	1	Bidirectional	140	8.0	0.20	1	9		18	8	10
ESDULC8V0LBHE3	DFN1006-2L	1	Bidirectional	90	8.0	0.20	1	9.5	11.5	26	3.5	0.5
ESD12VLBHE3	DFN1006-2L	1	Bidirectional	150	12.0	0.50	1	13.5	16.5	30	5	12
ESDLC12VLBHE3	DFN1006-2L	1	Bidirectional	100	12.0	0.20	1	13.3		20	5	10
ESD12VD3BHE3	SOD-323	1	Bidirectional	280	12.0	1.00	1	13.3		28	10	50
ESD12VD3HE3	SOD-323	1	Unidirectional	280	12.0	1.00	1	13.3	16.5	28	10	70
ESD12VD5HE3	SOD-523	1	Unidirectional	280	12.0	1.00	1	13.3	16.5	28	10	70
ESD12VET2HE3	SOT-23	2	Unidirectional	280	12.0	1.00	1	13.1	16.5	28	10	70
ESD12VT2BHE3	SOT-23	2	Bidirectional	300	12.0	0.10	1	13.5	16.7	30	10	35
ESD12VT2HE3	SOT-23	2	Unidirectional	280	12.0	1.00	1	13.1	16.5	28	10	70
ESD15VLBHE3	DFN1006-2L	1	Bidirectional	140	15.0	0.50	1	15.5	19.5	35	4	10
ESD1524D3B	SOD-323	1	Asymmetric	160	15.0	0.05	1	17.1		35	5	13
ESD1524D3BHE3A	SOD-323	1	Asymmetric	160	15.0	0.05	1	17.1	20.3	35	5	30
ESD15VD3BHE3	SOD-323	1	Bidirectional	250	15.0	1.00	1	16.7		28.5	5	45
ESD15VD3HE3	SOD-323	1	Unidirectional	250	15.0	1.00	1	16.5	19	35	8	55
ESD15VD5HE3	SOD-523	1	Unidirectional	250	15.0	1.00	1	16.5	19	35	8	55
ESD15VET2HE3	SOT-23	2	Unidirectional	280	15.0	1.00	1	16.1	19	35	8	55
ESD15VT2BHE3	SOT-23	2	Bidirectional	270	15.0	0.50	1	16	19	30	9	26
ESD15VT2HE3	SOT-23	2	Unidirectional	280	15.0	1.00	1	16.1	19	35	8	55
MMBZ20VAHE3	SOT-23	2	Unidirectional	40	17.0	0.05	1	19	21	28	1.4	
MMBZ20VCHE3	SOT-23	2	Unidirectional	40	17.0	0.05	1	19	21	28	1.4	
MMBZ27VAHE3	SOT-23	2	Unidirectional	40	22.0	0.05	1	25.65	28.35	40	1	
MMBZ27VCHE3	SOT-23	2	Unidirectional	40	22.0	0.05	1	25.65	28.35	40	1	
ESD24VLBHE3	DFN1006-2L	1	Bidirectional	150	24.0	0.50	1	25.5	29.5	45	3.5	8.5
ESD24VD3BHE3	SOD-323	1	Bidirectional	300	24.0	1.00	1	26.7		44	7	40
ESD24VD3HE3	SOD-323	1	Unidirectional	300	24.0	1.00	1	26.7		44	7	50
ESD24VD5HE3	SOD-523	1	Unidirectional	300	24.0	1.00	1	26.7		44	7	50

Automotive Products

ESD Protection

Automotive ESD Protection

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESD24VET2HE3	SOT-23	2	Unidirectional	300	24.0	1.00	1	26.7		44	7	50
ESD24VT2BHE3	SOT-23	2	Bidirectional	308	24.0	0.10	1	26.2	32	44	7	30
ESD24VT2HE3	SOT-23	2	Unidirectional	300	24.0	1.00	1	26.7		44	7	50
HSM24BHE3	SOT-23	2	Bidirectional	384	24.0	0.10	1	26.3	30.3	48	8	32
SM24BHE3	SOT-23	2	Bidirectional	300	24.0	0.20	1	27		50	4	20
ESD27VLBHE3	DFN1006-2L	1	Bidirectional	180	27.0	0.50	1	31	38	75	2.5	6.5
ESD27VD3BHE3	SOD-323	1	Bidirectional	260	27.0	0.50	1	28.5		65	4	20
ESD27VT2BHE3	SOT-23	2	Bidirectional	420	27.0	0.50	1	31	38	70	6	13
ESD36VLBHE3	DFN1006-2L	1	Bidirectional	200	36.0	0.50	1	38	48	80	2.5	6
ESD36VD3BHE3	SOD-323	1	Bidirectional	350	36.0	1.00	1	40		75	5	35
ESD36VD3HE3	SOD-323	1	Unidirectional	350	36.0	1.00	1	40	44	75	5	35
ESD36VD5HE3	SOD-523	1	Unidirectional	350	36.0	1.00	1	40	44	75	5	35
ESD36VET2HE3	SOT-23	2	Unidirectional	350	36.0	1.00	1	40	44.5	75	5	35
ESD36VT2BHE3	SOT-23	2	Bidirectional	450	36.0	0.50	1	38	48	90	5	30
ESD36VT2HE3	SOT-23	2	Unidirectional	350	36.0	1.00	1	40	44.5	75	5	35

1.8V~3.3V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESD1V8AE2	0201-A	1	Bidirectional	100	1.8	0.2	1	2.5		8.5	12	30
ESD1V8LB	DFN1006-2	1	Bidirectional	100	1.8	0.2	1	2.5		8.5	12	30
ESDH1V8LB	DFN1006-2	1	Bidirectional	300	1.8	0.2	1	2.5		8	38	80
ESDSB2V5AE2	0201-A	1	Bidirectional	100	2.5	0.1	0.002			10	10	25
SLVU2.8-4	SOP-8	4	Unidirectional	600	2.8	1	1	3		21	30	2
ESDH3V3AE2	0201-A	1	Bidirectional	170	3.3	0.1	1	3.5		8.5	20	35
ESDLC3V3AE2	0201-A	1	Bidirectional	30	3.3	0.2	1	4.3		10	3	3
ESDSBLC3V3AE2	0201-A	1	Bidirectional	90	3.3	0.1	1	3.5		10	9	13
ESDSBSLC3V3AE2	0201-A	1	Bidirectional	34	3.3	0.05	1	7		8.5	4	0.5
ESDSBULC3V3AE2	0201-A	1	Bidirectional	96	3.3	0.5	1	4		9.6	10	0.55
CSP3V3L	CSP1006-2	1	Unidirectional	600	3.3	0.5	1	3.6	5.5	10.5	65	150
CSPSLC3V3L	CSP1006-2	1	Unidirectional	150	3.3	0.2	1	4	6	15	11	0.6
CSPSLC3V3LB	CSP1006-2	1	Bidirectional	150	3.3	0.2	1	4	6	15	11	0.6
ESDLC3324DFN10	DFN-10	4	Unidirectional	65	3.3	1	1	5	8	13	5	0.65
ESD3V3L	DFN1006-2	1	Unidirectional	300	3.3	1	1	4.2	6	15	20	250
ESDHSBULC3V3LB	DFN1006-2	1	Bidirectional	260	3.3	0.5	1	5		10	26	1.5
ESDL3V3LB	DFN1006-2	1	Bidirectional	80	3.3	0.05	0.002	3.5		8	8	25
ESDLC3V3L	DFN1006-2	1	Unidirectional	150	3.3	0.5	0.002	3.5		15	10	20
ESDLC3V3LB	DFN1006-2	1	Bidirectional	20	3.3	0.1	1	4.3	6.8	11	1	3.1
ESDSB3V3LB	DFN1006-2	1	Bidirectional	600	3.3	1	1	3.8		10	60	110
ESDSBLC3V3LB	DFN1006-2	1	Bidirectional	90	3.3	0.1	1	3.5		10	9	13
ESDSBPLC3V3LB	DFN1006-2	1	Bidirectional	53	3.3	0.05	1	7		7.5	7	1
ESDSBSLC3V3LB	DFN1006-2	1	Bidirectional	34	3.3	0.05	1	7		8.5	4	0.5
ESDSL3V3LB	DFN1006-2	1	Bidirectional	100	3.3	0.05	1	5		20	5	0.3
ESDLC3304P8	DFN2626-10	4	Unidirectional	450	3.3	0.5	0.002	3.5		18	25	2
ESD3V3D3A	SOD-323	1	Unidirectional	200	3.3	0.5	1	4.5		12	18	200
ESD3V3D3B	SOD-323	1	Bidirectional	500	3.3	0.5	0.002	4.2	6	17	30	200
ESD3V3D3BA	SOD-323	1	Bidirectional	320	3.3	0.5	1	3.7	6	11	29	70
ESDLC3V3D3B	SOD-323	1	Bidirectional	350	3.3	1	1	4		36	28	4.5
ESDSL3V3D3B	SOD-323	1	Bidirectional	350	3.3	0.1	1	4		8	20	1.5
GBLC03CD3B	SOD-323	1	Bidirectional	350	3.3	0.5	1	4.2		20	21	0.5
ESD3V3D5	SOD-523	1	Unidirectional	220	3.3	0.08	1	5		13	16	105
ESD3V3D5B	SOD-523	1	Bidirectional	96	3.3	0.5	1	4.2	6.5	12	8	16
ESD3V3D5BA	SOD-523	1	Bidirectional	180	3.3	0.5	1	3.7	6	10	18	60
ESDLC3V3D5	SOD-523	1	Unidirectional	155	3.3	0.1	0.002	3.5		14.5	11	12
ESDSB3V3D5B-T3P	SOD-523	1	Bidirectional	140	3.3	0.1	1	3.5		9	13	28
ESD3V3D9	SOD-923	1	Unidirectional	100	3.3	1	1	5		8.8	5	50
ESD3V3D9B	SOD-923	1	Bidirectional	80	3.3	1	1	4		8	1	8
LC03-3.3	SOP-8	2	Unidirectional	7200	3.3	0.5	0.002	3.5		48	150	16
ESD3V3AP	SOT-23	2	Unidirectional	300	3.3	10	1	5	5.9	7.5	13.3	150
SM3.3	SOT-23	2	Unidirectional	360	3.3	1.5	1	5.2	6	20	18	200
SM3.3B	SOT-23	2	Bidirectional	350	3.3	1.5	1	4	6.5	10	25	100
SM3.3H	SOT-23	2	Unidirectional	500	3.3	0.5	1	3.5		12.5	40	260
SRV33-4L	SOT23-6L	4	Unidirectional	300	3.3	0.5	0.002	3.5	5.3	14	22	5

ESD Protection

3.6V~5.0V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDULC3V6AE2	0201-A	1	Bidirectional	35	3.6	0.2	1	5		14	2.5	0.25
ESD4V5LB	DFN1006-2	1	Bidirectional	540	4.5	0.5	1	4.8	6	12	45	100
ESD4571P6	DFN1610-2	1	Unidirectional	2400	4.5	0.2	1	4.8		18	180	400
ESD4V5P4	DFN2020-3L	1	Unidirectional	5000	4.5	2	1	4.8		18	280	680
ESD4V5P4B	DFN2020-3L	1	Bidirectional	6000	4.5	1	1	4.8		20	300	350
ESDN4V5D3B	SOD-323	1	Bidirectional	2000	4.5	1	1	4.7		15	135	300
ESDLC5V0AE2	0201-A	1	Bidirectional	120	5	0.1	1	6	9	15	8	15
ESDLSB5V0AE2	0201-A	1	Bidirectional	55	5	0.5	1	6		10	6	18
ESDSBL5V0AE2	0201-A	1	Bidirectional	96	5	0.1	1	6		12	8	13
ESDSB5V0AE2	0201-A	1	Bidirectional	44	5	0.05	1	6		14	4	0.5
ESDSBULC5V0AE2	0201-A	1	Bidirectional	130	5	0.2	1	6		10	13	0.5
ESDSL5V0AE2	0201-A	1	Bidirectional	125	5	0.1	1	6.5	9.5	25	5	0.32
ESDULC5V0AE2	0201-A	1	Bidirectional	11	5	0.1	1	6		11	1	3
ESDUSLC5V0AE2	0201-A	1	Unidirectional	75	5	0.5	1	6		15	5	0.8
CSP5V0AE	CSP0201	1	Bidirectional	140	5	0.5	1	6		9.5	18	30
CSPLC5V0AE	CSP0201	1	Bidirectional	90	5	0.5	1	5.8		10	9	20
CSPSBULC5V0AE	CSP0201	1	Bidirectional	35	5	0.2	1	8	14	8	5	0.5
CSPSLC5V0AE	CSP0201	1	Bidirectional	60	5	0.5	1	6	9	20	3	0.25
CSPULC5V0AE	CSP0201	1	Bidirectional	70	5	0.5	1	6	9	21	3.5	0.45
CSP5V0WB	CSP0402-2	1	Bidirectional	115	5	0.2	1	5.5	8	9	14	25
CSP5V0L	CSP1006-2	1	Unidirectional	500	5	0.5	1	5.8	8	10.5	50	130
CSPH5V0LB	CSP1006-2	1	Bidirectional	900	5	0.5	1	5.5	7.5	10.5	100	300
CSPLC5V0LB	CSP1006-2	1	Bidirectional	140	5	0.5	1	6		9.5	18	30
CSPLULC5V0LB	CSP1006-2	1	Bidirectional	70	5	0.2	1	6	9	20	3.5	0.3
CSPSBULC5V0LB	CSP1006-2	1	Bidirectional	35	5	0.2	1	8	14	8	5	1
CSPSLC5V0LB	CSP1006-2	1	Bidirectional	60	5	0.5	1	6	9	20	3	0.22
CSPULC5V0LB	CSP1006-2	1	Bidirectional	80	5	0.5	1	6	8.5	22	4	0.45
ESDLC0524DFN10	DFN-10	4	Unidirectional	150	5	0.9	1	6.1	8.5	18	5	0.8
ESDSL0524F	DFN-10	4	Unidirectional	150	5	0.9	1	6.1	9.6	15	5	0.8
ESDSL0534DFN10	DFN-10	4	Unidirectional	50	5	0.2	1	6	8.5	15	3	0.5
ESD5V0LB	DFN1006-2	1	Bidirectional	400	5	0.5	1	6	9	16	25	100
ESDHSB5V0LB	DFN1006-2	1	Bidirectional	860	5	1	1	5.3		11.5	75	230
ESDHSBLC5V0LB	DFN1006-2	1	Bidirectional	210	5	0.05	1	6		14	15	1.55
ESDHSLC5V0LB	DFN1006-2	1	Bidirectional	180	5	0.2	1	6		18	10	0.6
ESDLSB5V0LB	DFN1006-2	1	Bidirectional	55	5	0.5	1	6		10	6	18
ESDSB5V0LB	DFN1006-2	1	Bidirectional	260	5	0.1	1	5.1		13	20	42
ESDSBL5V0LB	DFN1006-2	1	Bidirectional	96	5	0.1	1	5.3	7.5	10	8	13
ESDSBLC5V0LB	DFN1006-2	1	Bidirectional	41	5	0.1	1	5.3		12	3.5	4
ESDSBULC5V0LB	DFN1006-2	1	Bidirectional	84	5	0.05	1	6		12	7	1
ESDSL5V0L	DFN1006-2	1	Unidirectional	80	5	0.1	1	6		16	4	0.7
ESDSL5V0LB	DFN1006-2	1	Bidirectional	100	5	0.5	1	6	9	20	4	0.35
ESDULC5V0LB	DFN1006-2	1	Bidirectional	10	5	0.2	1	6		10	1	3
ESDLC5V0L2B	DFN1006-2L	1	Bidirectional	75	5	0.5	1	5.6		15	5	15
ESDSBL5V0LTB	DFN1006-3	2	Bidirectional	96	5	0.1	1	5.3		12	8	11

ESD Protection

5.0V~5.5V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDSL05V0LTB	DFN1006-3	2	Unidirectional	75	5	0.1	1	6.4		15	5	0.8
ESD5V0PW	DFN1308-5	4	Unidirectional	36	5	0.1	1	6.5	9	12	3	0.45
SRL05P7	DFN1510-6	4	Unidirectional	90	5	0.9	1	6.1	9.6	17	5	0.8
ESD0551P1	DFN1608-2	1	Unidirectional	1200	5	1	1	6		15	80	700
ESD0571P6	DFN1610-2	1	Unidirectional	1875	5	1	1	6		15	125	650
ESDLC0502P6	DFN1610-6	2	Unidirectional	75	5	0.5	1	6		15	5	0.8
ESDLC0524P3	DFN1616-6	4	Unidirectional	230	5	0.1	1	6.5	9	14	17	1.3
ESDULC0524P5	DFN2510-10	4	Unidirectional	54	5	0.1	1	7		12	4.5	0.4
ESDULC0534P5	DFN2510-10	4	Bidirectional	45	5	0.5	1	6		15	3	0.15
ESDLC5V0PA6	DFN4120-10	6	Unidirectional	100	5	0.5	1	6		25	4	0.4
ESD5V0D3	SOD-323	1	Unidirectional	350	5	1	1	6.2	7.3	15.5	15	350
ESD5V0D3B	SOD-323	1	Bidirectional	120	5	1	1	5.8	8.8	15	8	27
ESDH5V0D3BA	SOD-323	1	Bidirectional	360	5	1	1	5.5	8	12	30	80
ESDLC5V0D3	SOD-323	1	Unidirectional	350	5	5	1	6		32	21	5
ESDLC5V0D3B	SOD-323	1	Bidirectional	350	5	1	1	6		32	21	5
ESDN5V0D3B	SOD-323	1	Bidirectional	1620	5	0.5	1	6		13.5	120	300
ESDSL05V0D3B	SOD-323	1	Bidirectional	350	5	0.5	1	6		28	18	1.5
GBLC05CD3B	SOD-323	1	Bidirectional	350	5	0.5	1	6.1		22	18	0.5
SD05CH	SOD-323	1	Bidirectional	500	5	0.2	1	6		15	34	200
ESD5V0D5	SOD-523	1	Unidirectional	174	5	0.05	1	6.2		18.6	9.4	80
ESD5V0D5B	SOD-523	1	Bidirectional	150	5	1	1	5.8	8.8	13	12	27
ESD5V0D5BS	SOD-523	1	Bidirectional	200	5	0.01	1	6	8	14	15	50
ESDH5V0D5	SOD-523	1	Unidirectional	300	5	0.5	1	6		14	22	160
ESDSL05V0D5	SOD-523	1	Unidirectional	80	5	0.5	1	6		16	5	0.7
ESDLC5V0D9	SOD-923	1	Unidirectional	100	5	1	1	5.4	8.5	9.8	1	0.5
ESDLC5V0D9B	SOD-923	1	Bidirectional		5	1	1	5.6	7.8			2.1
ESDLC5V0D9L	SOD-923	1	Unidirectional	75	5	0.5	1	5.4	6.5	15	5	0.9
LSR05	SOT-143	2	Unidirectional	90	5	0.5	1	6		12	5	0.4
SR05	SOT-143	2	Unidirectional	500	5	0.5	1	6		20	25	6
ESDL5V0T2B	SOT-23	2	Bidirectional	28	5	0.2	1	5.6	9.5	14	2	5
ESDSL05V0T2	SOT-23	2	Unidirectional	100	5	0.5	1	6		20	5	0.4
HSM05	SOT-23	2	Unidirectional	320	5	0.5	1	6		14	23	160
SM05	SOT-23	2	Unidirectional	300	5	10	1	6.2	7.3	9.8	12	110
SM05B	SOT-23	2	Bidirectional	300	5	1	1	6		15	20	80
SRL05	SOT23-6L	4	Unidirectional	90	5	0.9	1	6.1	9.6	17	5	0.8
SRV05-4A	SOT23-6L	4	Unidirectional	300	5	5	1	6		25	12	3
SRV05-4C	SOT23-6L	4	Unidirectional	300	5	0.5	1	6	8.5	18	17	0.4
SRV05-4D	SOT23-6L	4	Unidirectional	72	5	0.1	1	7	9	12	6	0.8
SRV05-4E	SOT23-6L	4	Unidirectional	54	5	0.1	1	7	9	12	4.5	0.4
ESDU5V0T5	SOT-523	2	Unidirectional	56	5	1	1	5.4	9.4	11	4	0.5
ESDA6V1L	SOT-23	2	Unidirectional	300	5.25	20	1	6.1	7.2	16.5	18.5	140
ESDPLC5V0AE2	0201-A	1	Bidirectional	40	5.5	0.05	1	6.1	8.8	15	3	0.2
ESDSB5V5AE2	0201-A	1	Bidirectional	72	5.5	0.1	1	6.1		12	6	13
ESDLC5V0LB	DFN1006-2	1	Bidirectional	80	5.5	0.2	1	6	8	10	8	20

5.5V~12V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _A (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDSB5V5LB	DFN1006-2	1	Bidirectional	72	5.5	0.1	1	6.1		12	6	13
ESDSB5V0L	DFN1006-2	1	Unidirectional	42	5.5	0.1	1	7	9	14	3.6	0.65
ESDSL5V0L2B	DFN1006-2L	1	Bidirectional	40	5.5	0.05	1	6.1	8.8	15	3	0.2
ESDLC0504P3	DFN1616-6	3	Unidirectional	60	5.5	0.5	1	6.5		12	5	0.4
ESDLC3603P3	DFN1616-6	3	Unidirectional	100	5.5	0.5	1	6.5		20	5	0.5
ESDLC0554P3	DFN1616-6L	4	Unidirectional	240	5.5	0.1	1	6	7.8	22	11	2
SRV05-4L	SOT23-6L	4	Unidirectional	350	5.5	1	1	6		17.5	12	1.5
ESDLC7V0AE2	0201-A	1	Bidirectional	100	7	0.2	1	7.5		17	6	15
ESDSB7V0AE2	0201-A	1	Bidirectional	84	7	0.1	1	7.2	10.5	14	6	13
CSPH7V0L	CSP1006-2	1	Unidirectional	700	7	0.5	1	8		15	45	185
ESD7V0L	DFN1006-2	1	Unidirectional	300	7	0.5	1	7.5		17	18	90
ESD7V0LB	DFN1006-2	1	Bidirectional	80	7	0.2	1	7.5		16	5	15
ESDSB7V0LB	DFN1006-2	1	Bidirectional	84	7	0.1	1	7.2	10.5	14	6	13
ESD0751P6	DFN1610-2	1	Unidirectional	1800	7	1	1	8	10	17	100	900
ESD0771P6	DFN1610-2	1	Unidirectional	1875	7	0.5	1	7.5		16.5	115	550
ESD7V0D5	SOD-523	1	Unidirectional	200	7	0.03	1	7.5		22.7	8.8	65
ESD7V0P4	DFN2020-3L	1	Unidirectional	6000	7.5	1	1	8		22	275	1500
CSP8V0LB	CSP1006-2	1	Bidirectional	150	8	0.5	1	9		20	9	12
ESDULC8V0LB	DFN1006-2	1	Bidirectional	90	8	0.2	1	9.5	11.5	26	3.5	0.5
ESDLC8V0D3B	SOD-323	1	Bidirectional	350	8	1	1	8.5		31.6	18	3
ESDSL8V0D3B	SOD-323	1	Bidirectional	350	8	0.2	1	8.5	10	19.5	18	1.5
GBLC08CD3B	SOD-323	1	Bidirectional	350	8	0.5	1	9.4		26	21	0.5
SD08CH	SOD-323	1	Bidirectional	500	8	0.2	1	8.5		18	30	120
ESD1051P6	DFN1610-2	1	Unidirectional	1800	10	1	1	10.7	12.3	20	86	650
ESD1051P4	DFN2020-3L	1	Unidirectional	4500	10	1	1	10.5	12.5	21	205	2600
ESDLC12VAE2	0201-A	1	Bidirectional	100	12	0.2	1	13.3		20	5	10
CSP12VLB	CSP1006-2	1	Bidirectional	150	12	0.2	1	13		21	8	12
CSPH12VL	CSP1006-2	1	Unidirectional	1300	12	1	1	13	16.5	32	45	150
ESD0512LB	DFN1006-2	1	Asymmetric	200	12	0.2	1	13, 6	17, 10	20	10	40
ESD12VL	DFN1006-2	1	Unidirectional	300	12	0.1	1	13.3		25	12	60
ESD12VLB	DFN1006-2	1	Bidirectional	350	12	0.1	1	13.3		25	14	50
ESDLC12VLB	DFN1006-2	1	Bidirectional	100	12	0.2	1	13.3		20	5	7
ESDSBLC12VLB	DFN1006-2	1	Bidirectional	120	12	0.1	1	13		22	7	7
ESDSL12VLB	DFN1006-2	1	Bidirectional	80	12	0.2	1	13.5		32	2.5	0.5
ESD1251P6	DFN1610-2	1	Unidirectional	1800	12	1	1	12.8	14.6	22	75	510
ESD1271P6	DFN1610-2	1	Unidirectional	1875	12	0.1	1	12.6		25	75	500
ESD1251P4	DFN2020-3L	1	Unidirectional	4500	12	0.1	1	12.5	15	24	200	2000
ESD12VP4	DFN2020-3L	1	Unidirectional	6000	12	1	1	13		30	200	550
ESD12VD3B	SOD-323	1	Bidirectional	350	12	1	1	13.5		15.5	1	100
ESDLC12VD3B	SOD-323	1	Bidirectional	350	12	1	1	13.3		28.6	11	3
ESDULC12VD3B	SOD-323	1	Bidirectional	500	12	0.2	1	13.3	17.8	29	12	1.5
SD12C	SOD-323	1	Bidirectional	500	12	0.2	1	13.3		28	18	100
ESD12VD5	SOD-523	1	Unidirectional	240	12	0.02	1	14.1		25	9.6	55
ESD12VD9	SOD-923	1	Unidirectional	100	12	1	1	13.5		18.4	1	15

ESD Protection

12V~70V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
LSM712	SOT-23	2	Asymmetric	240	12	0.5	1	13.3		20	12	25
SM12B	SOT-23	2	Bidirectional	300	12	0.5	1	13.3		30	10	32
SM712	SOT-23	2	Asymmetric	400	12	1	1	13.3		25	13	45
SM712H	SOT-23	2	Asymmetric	1000	12	0.1	1	13.3		28	36	75
ESDSBLC15VAE2	0201-A	1	Bidirectional	140	15	0.1	1	15.5	20	23	6	7
ESD15VL	DFN1006-2	1	Unidirectional	300	15	0.5	1	16.7	20	30	10	65
ESDLC15VLB	DFN1006-2	1	Bidirectional	150	15	0.2	1	16.2		25	6	5
ESD1531P1	DFN1608-2	1	Unidirectional	700	15	0.5	1	16.5		35	20	100
ESD1551P6	DFN1610-2	1	Unidirectional	1800	15	1	1	15.5	18	30	60	380
ESD1551P4	DFN2020-3L	1	Unidirectional	4500	15	0.1	1	15.5	18	28	160	1500
ESDSLC15VD3B	SOD-323	1	Bidirectional	300	15	0.2	1	16.7		30	10	1.5
SD15CH	SOD-323	1	Bidirectional	500	15	0.2	1	16.7		31	16	80
ESD15VD5	SOD-523	1	Unidirectional	350	15	0.2	1	18	23	32	11	80
SM15B	SOT-23	2	Bidirectional	300	15	0.2	1	17		35	8	25
SM15H	SOT-23	2	Unidirectional	500	15	0.2	1	16.7		32	20	90
ESDSLC16VLB	DFN1006-2	1	Bidirectional	30	16	0.1	1	18		30	1	0.9
ESDULC1610LB	DFN1006-2	1	Asymmetric	50	16	0.5	1	15.6		23	16	0.3
ESDSBSLC18VAE2	0201-A	1	Bidirectional	34	18	0.05	1	18.5		10	4	0.5
CSPSBULC18VAE	CSP0201	1	Bidirectional	35	18	0.2	1	19		8	5	0.5
CSPSBULC18VLB	CSP1006-2	1	Bidirectional	35	18	0.2	1	19		8	5	0.5
ESDSBSLC18VLB	DFN1006-2	1	Bidirectional	40	18	0.05	1	18.5		10	4	0.5
ESDSLC18VLB	DFN1006-2	1	Bidirectional	80	18	0.2	1	19		40	2	0.3
ESD1851P6	DFN1610-2	1	Unidirectional	1800	18	1	1	19.2	22.5	35	50	310
ESD1851P4	DFN2020-3L	1	Unidirectional	4500	18	0.1	1	18.5	21	33	150	1200
SM22	SOT-23	2	Unidirectional	300	22	1	1	27		44	3	80
ESDSBLC24VAE2	0201-A	1	Bidirectional	36	24	0.05	1	25		9	4	0.5
ESDSLC24VAE2	0201-A	1	Bidirectional	80	24	0.5	1			53	1.5	0.3
CSPSBSLC24VAE	CSP0201	1	Bidirectional	40	24	0.2	1	26		8	5	0.7
CSPSBSLC24VLB	CSP1006-2	1	Bidirectional	40	24	0.2	1	6		8	5	0.7
ESD24VLB	DFN1006-2	1	Bidirectional	300	24	0.1	1	27		40	5	20
ESDSLC24VLB	DFN1006-2	1	Bidirectional	80	24	0.5	1	26.5		53	1.5	0.3
ESD2471P6	DFN1610-2	1	Unidirectional	1875	24	0.1	1	26.7		53.5	35	200
ESD2451P4	DFN2020-3L	1	Unidirectional	4500	24	0.1	1	24.5	28	38	120	1000
ESD24VD3A	SOD-323	1	Unidirectional	300	24	0.5	1	25		50	7	50
ESDLC24VD3B	SOD-323	1	Bidirectional	350	24	1	1	26.7		45	6	3
ESDSLC24VD3B	SOD-323	1	Bidirectional	360	24	0.2	1	27		55	6	1.5
GBLC24CD3B	SOD-323	1	Bidirectional	350	24	0.5	1	9.4		58	6	0.5
SD24C	SOD-323	1	Bidirectional	450	24	1		26.7		62	8	50
HSM24B	SOT-23	2	Bidirectional	450	24	0.2	1	25		34.5	13	15
SM24B	SOT-23	2	Bidirectional	300	24	0.2	1	27		60	5	20
SD36CH	SOD-323	1	Bidirectional	500	36	0.2	1	38		50	6	30
SM36	SOT-23	2	Unidirectional	240	36	1	1	40	48	80	3	30
SM36B	SOT-23	2	Bidirectional	300	36	0.2	1	38		90	3	15
SR70	SOT-143	2	Unidirectional	168	70	5	0.05	85		7	24	10

Automotive Products

Automotive Power TVS

Part Number	Configuration	Package	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Breakdown Voltage		Test Current
			P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _C (V)	I _{PP} (A)	V _{BR} (V) Min	V _{BR} (V) Max	I _T (mA)
SMF5.0AHE3~SMF100AHE3	Unidirectional	SOD-123FL	200	5~100	1~400	9.2~162	1.1~21.7	6.4~111	7.07~123	1~10
SMF5.0AQ~SMF100AQ	Unidirectional	SOD-123FL	200	5~100	1~400	9.2~162	1.23~21.74	6.4~111	7.07~123	1~10
SM4F6.0AHE3~SM4F100AHE3	Unidirectional	SOD-123FL	400	6~100	1~800	10.3~162	2.5~38.8	6.67~111	7.37~123	1~10
SM4F6.0CAHE3~SM4F45CAHE3	Bidirectional	SOD-123FL	400	6~45	1~800	10.3~72.7	5.5~38.8	6.67~50	7.37~55.3	1~10
SMAJ5.0AHE3~SMAJ90AHE3	Unidirectional	SMA	400	5~190	1~800	9.2~308	1.3~43.4	6.4~211	7.07~232	1~10
SMAJ5.0CAHE3~SMAJ190CAHE3	Bidirectional	SMA	400	5~190	1~800	9.2~308	1.3~43.4	6.4~211	7.07~232	1~10
SMAJ5.0AQ~SMAJ90AQ	Unidirectional	SMA	400	5~190	1~800	9.2~307.8	1.3~43.4	6.4~211	7.07~232	1~10
SMAJ5.0CAQ~SMAJ190CAQ	Bidirectional	SMA	400	5~190	1~800	9.2~307.8	1.3~43.4	6.4~211	7.07~232	1~10
SMAJP4KE12AHE3~SMAJP4KE220AHE3	Unidirectional	SMA	400	10.2~185	1~5	16.7~328	1.2~24.6	11.4~209	12.6~231	1
SMAJP4KE12CAHE3~SMAJP4KE220CAHE3	Bidirectional	SMA	400	10.2~185	1~5	16.7~328	1.2~24.6	11.4~209	12.6~231	1
SMAJP4KE6.8AQ~SMAJP4KE220AQ	Unidirectional	SMA	400	5.8~185	1~1000	10.5~328	1.2~38.1	6.46~209	7.14~231	1~10
SMAJP4KE6.8CAQ~SMAJP4KE220CAQ	Bidirectional	SMA	400	5.8~185	1~1000	10.5~328	1.2~38.1	6.46~209	7.14~231	1~10
SMA6J10AHE3~SMA6J100AHE3	Unidirectional	SMA	600	10~100	1~5	17~162	3.7~35.3	11.1~111	12.3~123	1
SMA6J10CAHE3~SMA6J40CAHE3	Bidirectional	SMA	600	10~40	1~5	17~64.5	9.3~35.3	11.1~44.4	12.3~49.1	1
SMA6J10AQ~SMA6J100AQ	Unidirectional	SMA	600	10~100	1~5	17~162	3.7~35.3	11.1~111	12.3~123	1
SMA6J10CAQ~SMA6J20CAQ	Bidirectional	SMA	600	10~20	1~5	17~32.4	18.5~35.3	11.1~22.2	12.3~24.5	1
SMBJ5.0AHE3~SMBJ190AHE3	Unidirectional	SMB	600	5~190	1~800	9.2~307.8	1.9~65.2	6.4~211	7.07~232	1~10
SMBJ5.0CAHE3~SMBJ190CAHE3	Bidirectional	SMB	600	5~190	1~800	9.2~307.8	1.9~65.2	6.4~211	7.07~232	1~10
SMBJ5.0AQ~SMBJ190AQ	Unidirectional	SMB	600	5~190	1~800	9.2~307.8	2~65.2	6.4~211	7.07~232	1~10
SMBJ5.0CAQ~SMBJ190CAQ	Bidirectional	SMB	600	5~190	1~800	9.2~307.8	2~65.2	6.4~211	7.07~232	1~10
SMBJP6KE12AHE3~SMBJP6KE220AHE3	Unidirectional	SMB	600	10.2~185	1~5	16.7~328	1.9~36.5	11.4~209	12.6~231	1
SMBJP6KE12CAHE3~SMBJP6KE220CAHE3	Bidirectional	SMB	600	10.2~185	1~5	16.7~328	1.9~36.5	11.4~209	12.6~231	1
SMBJP6KE6.8AQ~SMBJP6KE220AQ	Unidirectional	SMB	600	5.8~185	1~1000	10.5~328	1.8~57.1	6.46~209	7.14~231	1~10
SMBJP6KE6.8CAQ~SMBJP6KE220CAQ	Bidirectional	SMB	600	5.8~185	1~1000	10.5~328	1.8~57.1	6.46~209	7.14~231	1~10
SMCJ1.5KE12AHE3~SMCJ1.5KE220AHE3	Unidirectional	SMC	1500	10.2~185	1~5	16.7~328	4.6~91	11.4~209	12.6~231	1
SMCJ1.5KE12CAHE3~SMCJ1.5KE220CAHE3	Bidirectional	SMC	1500	10.2~185	1~5	16.7~328	4.6~91	11.4~209	12.6~231	1
SMCJ1.5KE6.8AQ~SMCJ1.5KE220AQ	Unidirectional	SMC	1500	5.8~185	1~1000	10.5~328	4.6~142.9	6.46~209	7.14~231	1~10
SMCJ1.5KE6.8CAQ~SMCJ1.5KE220CAQ	Bidirectional	SMC	1500	5.8~185	1~1000	10.5~328	4.6~142.9	6.46~209	7.14~231	1~10
SMCJ10AHE3~SMCJ190AHE3	Unidirectional	SMC	1500	10~190	1~5	17~307.8	4.9~88.2	11.1~211	12.3~232	1
SMCJ10CAHE3~SMCJ190CAHE3	Bidirectional	SMC	1500	10~190	1~5	17~307.8	4.9~88.2	11.1~211	12.3~232	1
SMCJ5.0AQ~SMCJ190AQ	Unidirectional	SMC	1500	5~190	1~5	9.2~307.8	4.9~163	6.4~211	7.07~232	1~10
SMCJ5.0CAQ~SMCJ190CAQ	Bidirectional	SMC	1500	5~190	1~5	9.2~307.8	4.9~163	6.4~211	7.07~232	1~10
SMLJ10AHE3A~SMLJ48AHE3A	Unidirectional	SMC	3000	10~48	1~5	17~77.4	38.8~176.4	11.1~53.3	12.3~58.9	1
SMLJ10CAHE3A~SMLJ48CAHE3A	Bidirectional	SMC	3000	10~48	1~5	17~77.4	38.8~176.4	11.1~53.3	12.3~58.9	1
SMLJ10AHE3~SMLJ43AHE3	Unidirectional	SMC	3000	10~43	2~15	17~69.4	43.2~176.4	11.1~47.8	12.3~52.8	5
SMLJ10CAHE3~SMLJ43CAHE3	Bidirectional	SMC	3000	10~43	2~15	17~69.4	43.2~176.4	11.1~47.8	12.3~52.8	5
SMLJ5.0AQ~SMLJ48AQ	Unidirectional	SMC	3000	5~48	1~1000	9.2~77.4	38.76~326.09	6.4~53.3	7.07~58.9	1~10
SMLJ5.0CAQ~SMLJ48CAQ	Bidirectional	SMC	3000	5~48	1~1000	9.2~77.4	38.76~326.09	6.4~53.3	7.07~58.9	1~10
SM5S10A~SM5S43A	Unidirectional	DO-218AB	3600	10~43	10~15	17~69.4	52~212	11.1~47.8	12.3~52.8	5
SM6S10A~SM6S43A	Unidirectional	DO-218AB	4600	10~43	10~15	17~69.4	66~271	11.1~47.8	12.3~52.8	5
5.0SMLJ5.0AHE3~5.0SMLJ85AHE3	Unidirectional	SMC	5000	5~85	2~1000	9.2~137	36.5~543.6	6.4~94.4	7~104	1~10
5.0SMLJ5.0CAHE3~5.0SMLJ85CAHE3	Bidirectional	SMC	5000	5~85	2~1000	9.2~137	36.5~543.6	6.4~94.4	7~104	1~10
SM8S10A~SM8S43A	Unidirectional	DO-218AB	6600	10~43	10~15	17~69.4	95.1~388	11.1~47.8	12.3~52.8	5
SM8S10AHE3~SM8S43AHE3	Unidirectional	DO-218AB	6600	10~43	10~15	17~69.4	95.1~388	11.1~47.8	12.3~52.8	5
SM8S14CA~SM8S43CA	Bidirectional	DO-218AB	6600	14~43	10	23.2~69.4	95.1~284	15.6~47.8	17.2~52.8	5

Power TVS

200W~1500W

Part Number	Configuration	Package	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Breakdown Voltage		Test Current
			P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _C (V)	I _{PP} (A)	V _{BR} (V) Min	V _{BR} (V) Max	I _T (mA)
SMF5.0A~SMF170A	Unidirectional	SOD-123FL	200	5.0~170	1~400	9.2~275	0.6~21.7	6.4~189	7~209	1~10
SMF5.0CA~SMF170CA	Bidirectional	SOD-123FL	200	5.0~170	1~400	9.2~275	0.6~21.7	6.4~189	7~209	1~10
P4KE6.8A~P4KE550A	Unidirectional	DO-41	400	5.8~495	1~1000	10.5~760	0.52~39	6.45~522.5	7.14~577.5	1~10
P4KE6.8CA~P4KE550CA	Bidirectional	DO-41	400	5.8~495	1~1000	10.5~760	0.52~39	6.45~522.5	7.14~577.5	1~10
SM4F5.0A~SM4F100A	Unidirectional	SOD-123FL	400	5.0~100	1~400	9.2~162	2.46~43.5	6.4~111	7~123	1~10
SM4F11CA~SM4F45CA	Bidirectional	SOD-123FL	400	11~45	1	18.2~72.7	5.5~21.98	12.2~50	13.5~55.3	1
SMAF5.0A~SMAF300A	Unidirectional	DO-221AC	400	5~300	1~800	9.2~486	0.8~43.5	6.4~335	7~371	1~10
SMAF5.0CA~SMAF300CA	Bidirectional	DO-221AC	400	5~300	1~800	9.2~486	0.8~43.5	6.4~335	7~371	1~10
SMAJ5.0A~SMAJ440A	Unidirectional	SMA	400	5~440	1~800	9.2~713	0.6~43.5	6.4~492	7~543	1~10
SMAJ5.0CA~SMAJ440CA	Bidirectional	SMA	400	5~440	1~800	9.2~713	0.6~43.5	6.4~492	7~543	1~10
SMAJP4KE220AL~SMAJP4KE350AL	Unidirectional	SMA	400	185~300	1	328~482	0.9~1.3	209~332	231~368	1
SMAJP4KE6.8A~SMAJP4KE550A	Unidirectional	SMA	400	5.8~495	1~1000	10.5~760	0.5~39	6.4~522.5	7.14~577.5	1~10
SMAJP4KE6.8CA~SMAJP4KE550CA	Bidirectional	SMA	400	5.8~495	1~1000	10.5~760	0.5~39	6.45~522.5	7.14~577.5	1~10
P5KE5.0A~P5KE200A	Unidirectional	DO-15	500	5~200	3~600	9.2~324	1.5~54.3	6.4~220	7.25~256	1~10
P5KE5.0CA~P5KE200CA	Bidirectional	DO-15	500	5~200	3~1200	9.2~324	1.5~54.3	6.4~220	7.25~256	1~10
SA5.0A~SA170A	Unidirectional	DO-15	500	5~170	1~600	9.2~275	1.9~55.4	6.4~189	7~209	1~10
SA5.0CA~SA170CA	Bidirectional	DO-15	500	5~170	1~600	9.2~275	1.9~55.4	6.4~189	7~209	1~10
SAC5.0~SAC50	Unidirectional	DO-15	500	5~50	5~300	10~88	5.8~44	7.6~55.5	-	1
SMBSAC5.0~SMBSAC50	Unidirectional	SMB	500	5.0~50	5~300	10~88	5.8~44	7.6~55.5	-	1
P6KE6.8A~P6KE600A	Unidirectional	DO-15	600	5.8~512	1~1000	10.5~828	0.75~57	6.45~570	7.14~630	1~10
P6KE6.8CA~P6KE600CA	Bidirectional	DO-15	600	5.8~512	1~1000	10.5~828	0.75~57	6.45~570	7.14~630	1~10
SAC136	Unidirectional	DO-15	600	136	1	219	2.7	150	170	1
SMA6J5.0AFL~SMA6J130AFL	Unidirectional	DO-221AC	600	5~130	1~800	9.2~209	2.9~65.2	6.4~144	7~159	1~10
SMA6J11CAFL~SMA6J85CAFL	Bidirectional	DO-221AC	600	11~85	1	18.2~137	4.4~33	12.2~94.4	13.5~104	1
SMA6J5.0A~SMA6J58A	Unidirectional	SMA	600	5~58	1~800	9.2~93.6	6.41~65.2	6.4~64.4	7~71.2	1~10
SMA6J5.0CA~SMA6J58CA	Bidirectional	SMA	600	5~58	1~800	9.2~93.6	6.41~65.2	6.4~64.4	7~71.2	1~10
SMBJ220AL~SMBJ440AL	Unidirectional	SMB	600	220~440	1	356~648	0.9~1.7	246~447	272~494	1
SMBJ220CAL~SMBJ440CAL	Bidirectional	SMB	600	220~440	1	356~713	0.9~1.7	246~492	272~543	1
SMBJ5.0A~SMBJ440A	Unidirectional	SMB	600	5~440	1~800	9.2~713	0.9~65.2	6.4~492	7~543	1~10
SMBJ5.0CA~SMBJ440CA	Bidirectional	SMB	600	5~440	1~800	9.2~713	0.9~65.2	6.4~492	7~543	1~10
SMBJP6KE250AL~SMBJP6KE400AL	Unidirectional	SMB	600	214~342	1	344~548	1.1~1.9	237~380	263~420	1
SMBJP6KE6.8A~SMBJP6KE550A	Unidirectional	SMB	600	5.8~495	1~1000	10.5~760	0.8~58.1	6.45~522.5	7.14~577.5	1~10
SMBJP6KE6.8CA~SMBJP6KE550CA	Bidirectional	SMB	600	5.8~495	1~1000	10.5~760	0.8~58.1	6.45~522.5	7.14~577.5	1~10
SMBF5.0A~SMBF220A	Unidirectional	SMBF	600	5.0~220	1~800	9.2~356	1.69~65.22	6.4~246	7.07~272	1~10
SMBF5.0CA~SMBF220CA	Bidirectional	SMBF	600	5.0~220	1~800	9.2~356	1.69~65.22	6.4~246	7.07~272	1~10
SMB10J5.0A~SMB10J120A	Unidirectional	SMB	1000	5.0~120	1~800	9.2~193	5.18~108.7	6.4~133	7~147	1~10
SMB10J5.0CA~SMB10J120CA	Bidirectional	SMB	1000	5.0~120	1~800	9.2~193	5.18~108.7	6.4~133	7~147	1~10
SMBJ1.0KE6.8A~SMBJ1.0KE91A	Unidirectional	SMB	1000	5.8~77.8	1~900	10.5~125	8~95.2	6.46~86.45	7.14~95.55	1~10
SMBJ1.0KE6.8CA~SMBJ1.0KE91CA	Bidirectional	SMB	1000	5.8~77.8	1~900	10.5~125	8~95.2	6.46~86.45	7.14~95.55	1~10
1.5KE6.8A~1.5KE550A	Unidirectional	DO-201AE	1500	5.8~467	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
1.5KE6.8CA~1.5KE550CA	Bidirectional	DO-201AE	1500	5.8~467	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
LCE6.5A~LCE28A	Unidirectional	DO-201AE	1500	6.5~28	5~1000	11.2~45.5	33~100	7.22~31.3	7.98~34.4	1~10
SMB15J15A~SMB15J58A	Unidirectional	SMB	1500	15~58	5	24.4~93.6	16.03~61.48	16.7~64.4	18.5~71.2	1
SMB15J15CA~SMB15J58CA	Bidirectional	SMB	1500	15~58	5	24.4~93.6	16.03~61.48	16.7~64.4	18.5~71.2	1

Power TVS

1500W~30000W

Part Number	Configuration	Package	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Breakdown Voltage		Test Current
			P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _C (V)	I _{PP} (A)	V _{BR} (V) Min	V _{BR} (V) Max	I _T (mA)
SMCJ1.5KE6.8A~SMCJ1.5KE550A	Unidirectional	SMC	1500	5.8~495	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
SMCJ1.5KE6.8CA~SMCJ1.5KE550CA	Bidirectional	SMC	1500	5.8~495	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
SMCJ220AL~SMCJ350AL	Unidirectional	SMC	1500	220~350	1	356~567	2.6~4.2	246~391	272~432	1
SMCJ220CAL~SMCJ250CAL	Bidirectional	SMC	1500	220~250	1	356~405	3.7~4.2	246~279	272~309	1
SMCJ5.0A~SMCJ440A	Unidirectional	SMC	1500	5.0~440	1~800	9.2~713	2.1~163	6.4~492	7~543	1~10
SMCJ5.0CA~SMCJ440CA	Bidirectional	SMC	1500	5.0~440	1~800	9.2~713	2.1~163	6.4~492	7~543	1~10
SMB20J20A~SMB20J58A	Unidirectional	SMB	2000	20~58	1	32.4~93.6	21.37~61.73	22.2~64.4	24.5~71.2	1
SMB20J20CA~SMB20J58CA	Bidirectional	SMB	2000	20~58	1	32.4~93.6	21.37~61.73	22.2~64.4	24.5~71.2	1
3KP5.0A~3KP220A	Unidirectional	R-6	3000	5~220	10~5000	9.2~371.1	8.1~326.1	6.4~244	7~270	5~50
3KP5.0CA~3KP220CA	Bidirectional	R-6	3000	5~220	10~5000	9.2~371.1	8.1~326.1	6.4~244	7~270	5~50
SMLJ5.0A~SMLJ440A	Unidirectional	SMC	3000	5~440	2~1000	9.2~713	4.21~326	6.4~492	7~543	1~10
SMLJ5.0CA~SMLJ440CA	Bidirectional	SMC	3000	5~440	2~1000	9.2~713	4.21~326	6.4~492	7~543	1~10
5.0SMLJ11A~5.0SMLJ400A	Unidirectional	SMC	5000	11~400	5~800	18.2~648	7.7~275	12.2~447	13.5~494	1~10
5.0SMLJ11CA~5.0SMLJ170CA	Bidirectional	SMC	5000	11~170	5~800	18.2~275	18.2~275	12.2~189	13.5~209	1~10
5KP5.0A~5KP440A	Unidirectional	R-6	5000	5~440	10~5000	9.2~713	7~543	6.4~492	7~543	5~50
5KP5.0CA~5KP440CA	Bidirectional	R-6	5000	5~440	10~5000	9.2~713	7~543	6.4~492	7~543	5~50
5KP5.0AL~5KP188AL	Unidirectional	R-6	5000	5~188	2~5000	9.2~328	15.2~543	6.4~209	7~231	5~50
5KP5.0CAL~5KP188CAL	Bidirectional	R-6	5000	5~188	2~5000	9.2~328	15.2~543	6.4~209	7~231	5~50
SLD10A~SLD60A	Unidirectional	R-6	6000	10~60	10	17~96.8	61.5~350	11.8~68.4	13~75.6	5
SLD10CA~SLD60CA	Bidirectional	R-6	6000	10~60	10	17~96.8	61.5~350	11.8~68.4	13~75.6	5
15KP17A~15KP280A	Unidirectional	R-6	15000	17~280	10~5000	29.3~452	33~512	18.9~311	20.79~342.4	5~50
15KP17CA~15KP280CA	Bidirectional	R-6	15000	17~280	10~5000	29.3~452	33~512	18.9~311	20.79~342.4	5~50
30KP28A~30KP288A	Unidirectional	R-6	30000	28~288	10~5000	50~469.9	64.5~606	31.28~321.7	34.24~352.2	5~50
30KP28CA~30KP288CA	Bidirectional	R-6	30000	28~288	10~5000	50~469.9	64.5~606	31.28~321.7	34.24~352.2	5~50

Power TVS

AK/SME/SMG

Part Number	Configuration	Package	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Breakdown Voltage		Test Current
			P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _C (V)	I _{PP} (A)	V _{BR} (V) Min	V _{BR} (V) Max	I _T (mA)
AK1-076C	Bidirectional	AK	-	76	20	135	1000	83	-	10
AK3-030C	Bidirectional	AK	-	30	20	90	3000	32	-	10
AK3-058C	Bidirectional	AK	-	58	20	110	3000	64	-	10
AK3-066C	Bidirectional	AK	-	66	20	125	3000	70	-	10
AK3-076C	Bidirectional	AK	-	76	20	140	3000	85	-	10
AK3-380C	Bidirectional	AK	-	380	20	520	3000	401	-	10
AK3-430C	Bidirectional	AK	-	430	20	625	3000	440	-	10
AK6-058C	Bidirectional	AK	-	58	20	110	6000	64	-	10
AK6-066C	Bidirectional	AK	-	66	20	125	6000	70	-	10
AK6-076C	Bidirectional	AK	-	76	20	135	6000	83	-	10
AK6-170C	Bidirectional	AK	-	170	20	260	6000	180	-	10
AK6-190C	Bidirectional	AK	-	190	20	290	6000	200	-	10
AK6-240C	Bidirectional	AK	-	240	20	340	6000	250	-	10
AK6-380C	Bidirectional	AK	-	380	20	520	6000	401	-	10
AK6-430C	Bidirectional	AK	-	430	20	625	6000	440	-	10
AK10-058C	Bidirectional	AK	-	58	20	110	10000	64	-	10
AK10-066C	Bidirectional	AK	-	66	20	125	10000	70	-	10
AK10-076C	Bidirectional	AK	-	76	20	135	10000	83	-	10
AK10-170C	Bidirectional	AK	-	170	20	260	10000	180	-	10
AK10-190C	Bidirectional	AK	-	190	20	290	10000	200	-	10
AK10-200C	Bidirectional	AK	-	200	20	330	10000	222	-	10
AK10-240C	Bidirectional	AK	-	240	20	340	10000	250	-	10
AK10-380C	Bidirectional	AK	-	380	20	520	10000	401	-	10
AK10-430C	Bidirectional	AK	-	430	20	625	10000	440	-	10
AK15-058C	Bidirectional	AK	-	58	20	110	15000	64	-	10
AK15-076C	Bidirectional	AK	-	76	20	145	15000	85	-	10
SMEJ58CA	Bidirectional	SME	-	58	5	110	10000	64	70	10
SMEJ66CA	Bidirectional	SME	-	66	5	120	10000	72	80	10
SMEJ76CA	Bidirectional	SME	-	76	5	135	10000	85	95	10
SMEJ86CA	Bidirectional	SME	-	86	5	157	10000	96	107	10
SMGJ80CA	Bidirectional	SMG	-	80	5	130	2500	90	110	1