

Protection devices



Selection guide





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IEC61000-4-2 ESD protection

| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|----------------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|----------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| Bidirectional | | | | | | | | | | |
| ESDARF01-1BM2 | 1 | > 8/15 | 0.1 | 1 | 0.7 | 3 | - | - | 125 | SOD-882 |
| ESDARF02-1BU2CK | 1 | > 8/20 | 3.6 | 0.1 | 5 | 0.2 | - | - | 150 | ST0201 |
| ESDALCL5-1BM2 | 1 | > 8/15 | 1 | 0.001 | 5 | 26 | - | - | 150 | SOD-882 |
| ESDALC5-1BM2 | 1 | > 8/15 | 5 | 0.1 | 5 | 27 | - | - | 125 | SOD-882 |
| ESDALC5-1BT2 | 1 | > 8/15 | 5 | 0.06 | 5 | 27 | - | - | 125 | SOD-882T |
| ESDALC5-1BT2Y(**) | 1 | > 8/15 | 5 | 0.06 | 5 | 27 | - | - | 125 | SOD-882T |
| ESDAULC5-1BF4 | 1 | > 30/30 | 3 | 0.07 | 5.8 | 1.5 | - | 4 | 150 | ST0201 |
| ESDALC5-1BF4 | 1 | > 8/15 | 5 | 0.1 | 5.8 | 10 | - | - | 150 | ST0201 |
| ESDA5-1BF4 | 1 | > 8/15 | 5 | 0.1 | 5.8 | 45 | - | - | 150 | ST0201 |
| ESDARF02-1BU2 | 1 | > 8/15 | 3 | 0.07 | 6 | 0.24 | - | 17 | 150 | ST0201 |
| ESDAXLC6-1BU2K | 1 | > 8/20 | 3 | 0.07 | 6 | 0.24 | - | 17 | 150 | ST0201 |
| ESDAXLC6-1BT2 | 1 | > 8/15 | 6 | 0.07 | 6 | 0.4 | - | - | 150 | SOD-882T |
| ESDAXLC6-1BT2Y(**) | 1 | > 8/15 | 6 | 0.07 | 6 | 0.4 | - | - | 150 | SOD-882T |
| ESDAXLC6-1BU2 | 1 | > 8/15 | 3 | 0.07 | 6 | 0.4 | - | - | 150 | ST0201 |
| ESDAVLC6-1BV2 | 1 | > 12/15 | 3 | 0.05 | 6 | 7.5 | - | - | 150 | ST01005 |
| ESDALC6V1-1BU2 | 1 | > 8/15 | 3 | 0.1 | 6.1 | 5 | - | - | 125 | ST0201 |
| ESDALC8-1BF4 | 1 | > 8/15 | 6 | 0.05 | 7 | 30 | - | - | 150 | ST0201 |
| ESDAVLC8-1BM2 | 1 | > 8/15 | 3 | 0.05 | 8.5 | 4.5 | - | - | 125 | SOD-882 |
| ESDAVLC8-1BT2 | 1 | > 8/15 | 3 | 0.05 | 8.5 | 4.5 | - | - | 125 | SOD-882T |
| ESDAVLC8-1BT2Y(**) | 1 | > 8/15 | 3 | 0.05 | 8.5 | 4.5 | - | - | 125 | SOD-882T |
| ESDAVLC8-1BU2 | 1 | > 8/15 | 3 | 0.1 | 8.5 | 5 | - | - | 125 | ST0201 |

Note: (*) Qualified in Q3/2016, (**) Automotive-grade (AEC-Q101 qualified)

| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|-------------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|-----------------------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| ESDAVLC12-1BV2 | 1 | > 8/15 | 10.5 | 0.07 | 12 | 7 | - | - | 125 | ST01005 |
| ESDALC14-1BF4 | 1 | > 8/15 | 12 | 0.1 | 14 | 22 | - | - | 150 | ST0201 |
| ESDA14V2-1BF3 | 1 | > 8/15 | 12 | 0.5 | 14.2 | 10 | - | - | 125 | CSP 400 μm |
| ESDAXLC18-1BF4 | 1 | > 10/30 | 18 | 0.03 | 19 | 0.45 | - | 13 | 150 | ST0201 |
| ESDL20-1BF4(*) | 1 | > 20/30 | 20 | 0.01 | 22 | 13 | - | 0.7 | 150 | ST0201 |
| ESDLIN03-1BWY(**) | 1 | > 30/30 | 26.5 | 0.01 | 27 | 3 | - | 0.3 | 175 | SOT323-3L |
| ESDLIN1524BJ(**) | 1 | > 30/30 | 15/24 | 0.05 | 17,1/25,4 | 16 | - | - | 150 | SOD-323 |
| ESDV5-1BF4(*) | 1 | > 12/30 | 5.5 | 0.1 | 5.8 | 5 | - | 2 | 150 | ST0201 |
| ESDZV5-1BF4(*) | 1 | > 18/30 | 5.5 | 0.1 | 5.8 | 6 | - | - | 150 | ST0201 |
| ESDZV5H-1BF4(*) | 1 | > 8/15 | 5.5 | 0.1 | 7 | 4 | - | 1 | 150 | ST0201 |
| ESDA14V2-2BF3 | 2 | > 8/15 | 12 | 0.5 | 14.2 | 12 | - | - | 125 | CSP 400 μm |
| ESDCAN03-2BWY(**) | 2 | > 30/30 | 24 | 0.01 | 25 | 3 | - | 0.3 | 175 | SOT323-3L |
| ESDCAN01-2BLY(**) | 2 | > 30/30 | 24 | 0.1 | 25 | 30 max | - | 0.1 | 150 | SOT23-3L |
| ESDCAN02-2BWY(**) | 2 | > 30/30 | 26.5 | 0.01 | 27 | 3 | - | 0.3 | 175 | SOT323-3L |
| ESDCAN24-2BLY(**) | 2 | > 30/30 | 24 | 0.1 | 27 | 30 max | - | 0.1 | 150 | SOT23-3L |
| ESDAULC6-3BP6 | 3 | > 8/15 | 5 | 0.5 | 6 | 1 | - | - | 150 | SOT-666 |
| ESDAVLC5-4BX4 | 4 | > 8/15 | 3 | 0.05 | 5.5 | 10 | - | - | 150 | QFN-4L |
| ESDALC5-4BN4 | 4 | > 8/15 | 5 | 0.06 | 5.5 | 13 | - | - | 125 | QFN-4L |
| ESDA6V1BC6 | 4 | > 8/15 | 5 | 1 | 6.1 | 20 | - | - | 150 | SOT23-6L |
| ESDA6V1-4BC6 | 4 | > 8/15 | 3 | 1 | 6.1 | 45 | - | - | 150 | SOT23-6L |
| ESDAVLC8-4BN4 | 4 | > 8/15 | 3 | 0.05 | 8.5 | 4.5 | - | - | 150 | QFN-4L |
| DALC208SC6 | 4 | > 8/15 | 5 | 1 | 9 | 7 | - | - | 150 | SOT23-6L |
| DALC208SC6Y(**) | 4 | > 8/15 | 5 | 1 | 9 | 7 | - | - | 150 | SOT23-6L |
| ESDA14V2-4BF2 | 4 | > 8/15 | 12 | 1 | 14.2 | 15 | - | - | 125 | CSP 500 μm |

Note: (*) Qualified in Q3/2016, (**) Automotive-grade (AEC-Q101 qualified)

| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|-----------------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|-----------------------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| ESDA14V2BP6 | 4 | > 8/15 | 12 | 1 | 14.2 | 20 | - | - | 125 | SOT-666 |
| ESDA14V2-4BF3 | 4 | > 8/15 | 12 | 0.5 | 14.2 | 15 (max) | - | - | 125 | CSP 400 μm |
| DA108S1 | 4 | > 8/15 | 15 | 2 | 18 | 34 | - | - | 150 | SO-8 |
| ESDA25-4BP6 | 4 | > 8/15 | 24 | 1 | 25 | 22 | - | - | 150 | SOT-666 |
| ESDAVLC7-5BU6 | 5 | > 8/15 | 6 | 0.03 | 7 | 5 | - | - | 150 | QFN-6L |
| DALC112S1 | 6 | > 6/8 | 15 | 2 | 18 | 7 | - | - | 150 | SO-8 |
| DA112S1 | 6 | > 8/15 | 15 | 2 | 18 | 34 | - | - | 150 | SO-8 |
| ESDA25B1 | 6 | > 8/15 | 24 | 2 | 25 | 15 | - | - | 150 | SO-8 |
| Unidirectional | | | | | | | | | | |
| ESDA5-1F4 | 1 | > 30/30 | 5.5 | 100 | 5.8 | 110 | - | - | 150 | ST0201 |
| ESDAULC6-1U2 | 1 | > 8/15 | 3 | 0.1 | 6 | 0.8 | - | 5.2 | 150 | ST0201 |
| ESDAVLC6-1V2 | 1 | > 12/15 | 3 | 0.05 | 6 | 7.5 | - | - | 150 | ST01005 |
| ESDAXLC6-1MY2 | 1 | > 8/15 | 3 | 0.1 | 6 | 0.35 max | - | - | 150 | SOD-882 |
| ESDALC6-1U2 | 1 | > 8/15 | 3 | 0.1 | 6.1 | 12 | - | - | 150 | ST0201 |
| ESDALC6V1-1U2 | 1 | > 8 / - | 3 | 0.1 | 6.1 | 12 | - | - | 125 | ST0201 |
| ESDALC6V1-1M2 | 1 | > 8/15 | 3 | 0.1 | 6.1 | 22 | - | - | 125 | SOD-882 |
| ESDA7P60-1U1M | 1 | > 30/30 | 5.5 | 0.2 | 6.4 | 450 | - | - | 150 | DFN-2L |
| ESDA8P80-1U1M | 1 | > 30/30 | 6.3 | 0.2 | 6.9 | 480 | - | - | 150 | DFN-2L |
| ESDA8V2-1J | 1 | > 8/15 | 5 | 0.5 | 8.2 | 210 | - | - | 125 | SOD-323 |
| ESDA8V2-1MX2 | 1 | > 8/15 | 5 | 0.5 | 8.2 | 350 | - | - | 125 | QFN 2L |
| ESDALC12-1T2 | 1 | > 8/15 | 10 | 0.2 | 12 | 15 | - | - | 125 | SOD-882T |
| ESDA12-1K | 1 | > 8/15 | 10 | 0.5 | 12 | 200 | - | - | 150 | SOD523 |
| ESDA13P70-1U1M | 1 | > 30/30 | 12 | 0.2 | 12.5 | 390 | - | - | 150 | DFN-2L |
| ESDA15P60-1U1M | 1 | > 30/30 | 13.2 | 0.05 | 13.6 | 335 | - | - | 150 | DFN-2L |

Note: (*) Qualified in Q3/2016, (**) Automotive-grade (AEC-Q101 qualified)

| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|------------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|-----------------------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| ESDAVLC14-1V2 | 1 | > 12/15 | 12 | 0.1 | 14 | 7.5 | - | - | 150 | ST01005 |
| ESDALC14V2-1U2 | 1 | > 8/16 | 3 | 0.1 | 14.2 | 6 | - | - | 125 | ST0201 |
| ESDAVLC14-1U2 | 1 | > 8/15 | 12 | 0.1 | 14.2 | 6 | - | - | 125 | ST0201 |
| ESDA17P50-1U1M | 1 | > 30/30 | 15 | 0.05 | 15.6 | 290 | - | - | 150 | DFN-2L |
| ESDA18-1F4 | 1 | > 8/15 | 12 | 0.02 | 16 | 120 | - | - | 125 | CSP 300 μm |
| ESDA18-1F2 | 1 | > 8/15 | 10 | 0.5 | 16 | 230 | - | - | 125 | CSP 500 μm |
| ESDA18-1K | 1 | > 8/15 | 16 | 0.5 | 18 | 200 | - | - | 150 | SOD523 |
| ESDA20P50-1U1M | 1 | > 30/30 | 18 | 0.05 | 18.5 | 240 | - | - | 150 | DFN-2L |
| ESDA25P35-1U1M | 1 | > 30/30 | 22 | 0.2 | 23.3 | 190 | - | - | 150 | DFN-2L |
| ESDA5V3L | 2 | > 8/15 | 3 | 2 | 5.3 | 220 | - | - | 150 | SOT-23 |
| ESDA5V3LY(*) | 2 | > 8/15 | 3 | 2 | 5.3 | 220 | - | - | 150 | SOT-23 |
| USBULC6-2F7 | 2 | > 10/30 | 3 | 0.07 | 5.5 | 1 | - | 4.5 | 125 | CSP 350 μm |
| HSP061-2N4 | 2 | > 8/15 | 3 | 0.1 | 6 | 0.6 | 0.3 | 6 | 150 | QFN-4L |
| USBULC6-2N4 | 2 | > 8/15 | 3 | 0.1 | 6 | 0.6 | - | 6 | 150 | QFN-4L |
| HSP062-2M6 | 2 | > 8/15 | 5 | 0.5 | 6 | 0.8 | 0.55 | 6 | 125 | QFN-6L |
| HSP061-2M6 | 2 | > 8/15 | 5 | 0.5 | 6 | 0.85 | 0.42 | 6 | 125 | QFN-6L |
| USBULC6-2M6 | 2 | > 8/15 | 5 | 0.5 | 6 | 0.95 | 0.5 | 6 | 150 | QFN-6L |
| USBULC6-2F4 | 2 | > 8/15 | 3 | 0.1 | 6 | 1 | - | 5 | 125 | CSP 300 μm |
| ESDALCL6-2SC6 | 2 | > 8/15 | 1 | 0.001 | 6 | 2.5 | - | - | 125 | SOT23-6L |
| USBLC6-2P6 | 2 | > 8/15 | 5 | 1 | 6 | 2.5 | 1.2 | 3 | 125 | SOT-666 |
| USBLC6-2SC6 | 2 | > 8/15 | 5 | 1 | 6 | 2.5 | 1.2 | 3 | 125 | SOT23-6L |
| USBLC6-2SC6Y(**) | 2 | > 8/15 | 5 | 1 | 6 | 2.5 | 1.2 | 3 | 125 | SOT23-6L |
| USBULC6-2F3 | 2 | > 8/15 | 3 | 0.1 | 6 | 1.2 (max) | - | 4 | 125 | CSP 400 μm |
| ESDALC6V1M3 | 2 | > 8/15 | 5 | 0.5 | 6.1 | 11 | - | - | 125 | SOT883 |

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| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|-------------------------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|-----------------------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| ESDA6V1L | 2 | > 8/15 | 5.25 | 20 | 6.1 | 140 | - | - | 150 | SOT-23 |
| ESDA6V1LY ^(*) | 2 | > 8/15 | 5.25 | 20 | 6.1 | 140 | - | - | 150 | SOT-23 |
| ESDA14V2L | 2 | > 8/15 | 12 | 5 | 14.2 | 90 | - | - | 150 | SOT-23 |
| ESDA14V2LY ^(**) | 2 | > 8/15 | 12 | 5 | 14.2 | 90 | - | - | 150 | SOT-23 |
| ESDA25L | 2 | > 8/15 | 24 | 1 | 25 | 50 | - | - | 150 | SOT-23 |
| ESDA25LY ^(*) | 2 | > 8/15 | 24 | 1 | 25 | 50 | - | - | 150 | SOT-23 |
| ESDA25W | 2 | > 8/15 | 24 | 1 | 25 | 65 | - | - | 125 | SOT323-3L |
| USBULC6-3F3 | 3 | > 8/15 | 3 | 0.1 | 4 | 1 | - | 8.5 | 125 | CSP 400 μm |
| ESDA5V3SC5 | 4 | > 8/15 | 3 | 2 | 5.3 | 280 | - | - | 150 | SOT23-5L |
| ESDA5V3SC6 | 4 | > 8/15 | 3 | 2 | 5.3 | 280 | - | - | 150 | SOT23-6L |
| ESDA5V3SC6Y ^(**) | 4 | > 8/15 | 3 | 2 | 5.3 | 280 | - | - | 150 | SOT23-6L |
| HSP051-4M10 | 4 | > 8/15 | 3 | 0.07 | 6 | 0.5 | 0.3 | 10 | 150 | QFN-10L |
| HSP051-4N10 | 4 | > 8/15 | 3 | 0.07 | 6 | 0.5 | 0.3 | 10 | 150 | QFN-10L |
| HSP061-4NY8 | 4 | > 8/15 | 5 | 0.1 | 6 | 0.5 | - | 6 | 150 | QFN 2x1-8L |
| HSP061-4M10 | 4 | > 8/15 | 3 | 0.07 | 6 | 0.6 | 0.3 | 8.7 | 150 | QFN-10L |
| HDMIULC6-4F3 | 4 | > 8/15 | 3 | 0.1 | 6 | 0.7 | 0.05 | 7 | 125 | CSP 400 μm |
| DVIULC6-4SC6 | 4 | > 8/15 | 5 | 0.5 | 6 | 0.85 | 0.42 | 6 | 125 | SOT23-6L |
| DVIULC6-4SC6Y ^(**) | 4 | > 8/15 | 5 | 0.5 | 6 | 0.85 | 0.42 | 6 | 125 | SOT23-6L |
| HDMIULC6-4SC6 | 4 | > 8/15 | 5 | 0.5 | 6 | 0.85 | 0.42 | 6 | 125 | SOT23-6L |
| DSILC6-4P6 | 4 | > 8/15 | 5 | 0.5 | 6 | 2 | 1 | 2.2 | 125 | SOT-666 |
| DSILC6-4F2 | 4 | > 8/15 | 5 | 0.5 | 6 | 2.5 | 1.25 | 2.2 | 125 | CSP 500 μm |
| ESDALCL6-4P6A | 4 | > 8/15 | 1 | 0.001 | 6 | 2.5 | - | - | 150 | SOT-666 |
| USBLC6-4SC6 | 4 | > 8/15 | 5 | 2 | 6 | 3 | 1.85 | 0.8 | 125 | SOT23-6L |
| USBLC6-4SC6Y ^(**) | 4 | > 8/15 | 5 | 2 | 6 | 3 | 1.85 | 0.8 | 125 | SOT23-6L |

Note: (*) Qualified in Q3/2016, (**) Automotive-grade (AEC-Q101 qualified)

| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|-----------------------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|-----------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| DSILC6-4SC6 | 4 | > 8/ - | 5 | 0.5 | 6 | 4.1 | 2.1 | 0.83 | 125 | SOT23-6L |
| USB6B1RL | 4 | > 8/15 | 5.25 | 10 | 6 | 15 | 25 | - | 150 | SO-8 |
| ESDALC6-4N4 | 4 | > 8/15 | 3 | 0.1 | 6.1 | 9.5 | - | - | 150 | QFN-4L |
| ESDALC6V1P5 | 4 | > 8/15 | 3 | 0.1 | 6.1 | 12 | - | - | 150 | SOT-665 |
| ESDALC6V1P6 | 4 | > 8/15 | 3 | 0.1 | 6.1 | 12 | - | - | 150 | SOT-666 |
| ESDALC6V1W5 | 4 | > 8/15 | 3 | 0.1 | 6.1 | 12 | - | - | 150 | SOT323-5L |
| ESDA6V1P6 | 4 | > 8/15 | 3 | 0.5 | 6.1 | 70 | - | - | 150 | SOT-666 |
| ESDA6V1W5 | 4 | > 8/15 | 3 | 1 | 6.1 | 90 | - | - | 125 | SOT323-5L |
| ESDA6V1SC5 | 4 | > 8/15 | 5.25 | 20 | 6.1 | 190 | - | - | 150 | SOT23-5L |
| ESDA6V1SC6 | 4 | > 8/15 | 5.25 | 20 | 6.1 | 190 | - | - | 150 | SOT23-6L |
| ESDA6V1SC6Y ^(*) | 4 | > 8/15 | 5.25 | 20 | 6.1 | 190 | - | - | 150 | SOT23-6L |
| ESDA14V2SC5 | 4 | > 8/15 | 12 | 5 | 14.2 | 100 | - | - | 150 | SOT23-5L |
| ESDA14V2SC5Y ^(*) | 4 | > 8/15 | 12 | 5 | 14.2 | 100 | - | - | 150 | SOT23-5L |
| ESDA14V2SC6 | 4 | > 8/15 | 12 | 5 | 14.2 | 100 | - | - | 150 | SOT23-6L |
| ESDA19SC6 | 4 | > 8/15 | 15 | 0.1 | 19 | 80 | - | - | 125 | SOT23-6L |
| ESDA25W5 | 4 | > 8/15 | 24 | 1 | 25 | 30 | - | - | 125 | SOT323-3L |
| ESDA25SC6 | 4 | > 8/15 | 24 | 1 | 25 | 60 | - | - | 150 | SOT23-6L |
| ESDA25SC6Y ^(*) | 4 | > 8/15 | 24 | 1 | 25 | 60 | - | - | 150 | SOT23-6L |
| ESDALC6-5T6 | 5 | > 8/15 | 3 | 0.1 | 6.1 | 7 | - | - | 150 | QFN-6L |
| ESDA6V1-5T6 | 5 | > 8/15 | 3 | 0.1 | 6.1 | 12 | - | - | 125 | QFN 6L |
| ESDALC6V1-5M6 | 5 | > 8/15 | 3 | 0.07 | 6.1 | 12 | - | - | 125 | QFN-6L |
| ESDALC6V1-5P6 | 5 | > 8/15 | 3 | 0.07 | 6.1 | 12 | - | - | 125 | SOT-666 |
| ESDALC6V1-5P6M | 5 | > 8/15 | 3 | 0.07 | 6.1 | 12 | - | - | 125 | SOT-666 |
| ESDALC6V1-5T6 | 5 | > 8/15 | 3 | 0.1 | 6.1 | 12 | - | - | 125 | QFN 6L |

Note: (*) Qualified in Q3/2016, (**) Automotive-grade (AEC-Q101 qualified)

| Part number | Number of lines | IEC 61000-4-2 contact/air | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM}$ | Breakdown voltage $V_{BR} @ I_R = 1 \text{ mA}$ | Capacitance I/O to GND @ 0 V bias | Capacitance I/O to I/O @ 0 V | Bandwidth @ -3 dB | Junction temperature | Package |
|--------------|-----------------|---------------------------|----------------------------|-----------------------------------|---|-----------------------------------|------------------------------|-------------------|---------------------------------|-----------------------|
| | | (kV) | (V) | max (μA) | min (V) | typ (pF) | typ (pF) | GHz | max (Tj) ($^{\circ}\text{C}$) | |
| ESDA6V1-5SC6 | 5 | > 8/15 | 3 | 1 | 6.1 | 50 | - | - | 150 | SOT23-6L |
| ESDA6V1-5W6 | 5 | > 8/15 | 3 | 1 | 6.1 | 50 | - | - | 125 | SOT323-6L |
| ESDA6V1-5M6 | 5 | > 8/15 | 3 | 0.5 | 6.1 | 70 | - | - | 125 | QFN-6L |
| ESDA6V1-5P6 | 5 | > 8/15 | 3 | 0.5 | 6.1 | 70 | - | - | 150 | SOT-666 |
| ESDA17-5SC6 | 5 | > 8/15 | 14 | 0.075 | 17 | 35 | - | - | 125 | SOT23-6L |
| ESDA6V1U1 | 6 | > 8/15 | 5 | 2 | 6.1 | 100 | - | - | 125 | S0-8 |
| HSP061-8M16 | 8 | > 8/15 | 5 | 0.5 | 6 | 0.6 | - | 6.3 | 150 | QFN-16L |
| ESDAULC6-8F3 | 8 | > 8/15 | 3 | 0.1 | 6 | 1 | - | - | 85 | CSP 400 μm |

Note: (*) Qualified in Q3/2016, (**) Automotive-grade (AEC-Q101 qualified)

IEC61000-4-5 8-20 μ s TVS

| Part number | Number of protected lines | Peak pulse power (PPP) 8/20 μ s | Peak pulse current IPP 8/20 μ s @ 25 °C | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|----------------|---------------------------|-------------------------------------|---|----------------------------|-------------------------------------|------------------------------------|-------|-----------------------------|------------------|-----------------|
| | | (W) | (A) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| LFTVS10-1F3 | 1 | 350 | 5 | 8 | 0.5 | 10 | 15 | 13 | 1 | CSP 400 μ m |
| LFTVS18-1F3 | 1 | 350 | 5 | 10 | 0.5 | 18 | 1 | 19 | 1 | CSP 400 μ m |
| ESDA18-1K | 1 | 500 | 12 | 16 | 0.1 | 16 | 1 | 34 | 1 | SOD-523 |
| ESDA18-1F4 | 1 | 350 | 13 | 12 | 0.1 | 16 | 1 | 20 | 1 | CSP 300 μ m |
| ESDA12-1K | 1 | 500 | 16 | 10 | 0.1 | 12 | 1 | 28 | 1 | SOD-523 |
| ESDA18-1F2 | 1 | 700 | 20 | 12 | 0.1 | 16 | 1 | 20 | 1 | CSP 500 μ m |
| LBP01-0810B | 1 | - | 24 | 3 | 0.1 | 8 | 3 | - | - | SMB |
| ESDA8V2-1J | 1 | 500 | 24 | 6 | 0.1 | 8 | 1 | 20 | 24 | SOD-323 |
| LBP01-0803SC5 | 1 | - | 24 | 3 | 0.1 | 8 | 2 | - | - | SOT23-5L |
| SPT02-236DDB | 1 | 1400 | 25 | 36 | 1 | 38 | 1 | 46 | 2 | QFN-2L |
| ESDA25P35-1U1M | 1 | 1400 | 35 | 22 | 0.2 | 23.3 | 1 | 45 | 35 | DFN-2L |
| ESDA20P50-1U1M | 1 | 1100 | 40 | 18 | 0.05 | 18.5 | 1 | - | 40 | DFN-2L |
| ESDA17P50-1U1M | 1 | 1100 | 46 | 15 | 0.05 | 15.6 | 1 | 26.5 | 46 | DFN-2L |
| ESDA15P60-1U1M | 1 | 1200 | 57 | 13.2 | 0.05 | 13.6 | 1 | 21.7 | 50 | DFN-2L |
| ESDA7P60-1U1M | 1 | 700 | 60 | 5.5 | 0.2 | 6.4 | 1 | 11.6 | 60 | DFN-2L |
| ESDA13P70-1U1M | 1 | 1300 | 70 | 12 | 0.2 | 12.5 | 1 | 20 | 60 | DFN-2L |
| ESDA8P80-1U1M | 1 | 1100 | 80 | 6.3 | 0.2 | 6.9 | 1 | 13.2 | 80 | DFN-2L |
| LNBTVS3-220U | 1 | 8750 | 250 | 20 | 1 | 22 | 1 | 35 | 250 | SMB |
| LNBTVS4-220S | 1 | 11690 | 334 | 20 | 1 | 22 | 1 | 35 | 334 | SMC |
| LNBTVS4-221S | 1 | 10688 | 334 | 20 | 1 | 22 | 1 | 32 | 334 | SMC |
| LNBTVS4-222S | 1 | 10020 | 334 | 20 | 1 | 22 | 1 | 30 | 334 | SMC |
| LNBTVS4-304S | 1 | 15030 | 334 | 28 | 1 | 30 | 1 | 45 | 334 | SMC |

| Part number | Number of protected lines | Peak pulse power (PPP) 8/20 μ s | Peak pulse current IPP 8/20 μ s @ 25 °C | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|---------------|---------------------------|-------------------------------------|---|----------------------------|-------------------------------------|------------------------------------|-------|-----------------------------|------------------|---------|
| | | (W) | (A) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| LNBTVS6-220S | 1 | 17500 | 500 | 20 | 1 | 22 | 1 | 35 | 500 | SMC |
| LNBTVS6-221S | 1 | 16000 | 500 | 20 | 1 | 22 | 1 | 32 | 500 | SMC |
| STIEC45-24ACS | 1 | 21000 | 500 | 24 | 0.2 | 26.7 | 1 | 42 | 500 | SMC |
| STIEC45-24AS | 1 | 21000 | 500 | 24 | 0.2 | 26.7 | 1 | 42 | 500 | SMC |
| STIEC45-26ACS | 1 | 22500 | 500 | 26 | 0.2 | 28.9 | 1 | 45 | 500 | SMC |
| STIEC45-26AS | 1 | 22500 | 500 | 26 | 0.2 | 28.9 | 1 | 45 | 500 | SMC |
| LNBTVS6-304S | 1 | 22500 | 500 | 28 | 1 | 30 | 1 | 45 | 500 | SMC |
| STIEC45-27AS | 1 | 23500 | 500 | 27 | 0.2 | 30 | 1 | 47 | 500 | SMC |
| STIEC45-28ACS | 1 | 24500 | 500 | 28 | 0.2 | 31.1 | 1 | 49 | 500 | SMC |
| STIEC45-28AS | 1 | 24500 | 500 | 28 | 0.2 | 31.1 | 1 | 49 | 500 | SMC |
| STIEC45-30ACS | 1 | 27500 | 500 | 30 | 0.2 | 33.3 | 1 | 55 | 500 | SMC |
| STIEC45-30AS | 1 | 27500 | 500 | 30 | 0.2 | 33.3 | 1 | 55 | 500 | SMC |
| STIEC45-33ACS | 1 | 29500 | 500 | 33 | 0.2 | 36.7 | 1 | 59 | 500 | SMC |
| STIEC45-33AS | 1 | 29500 | 500 | 33 | 0.2 | 36.7 | 1 | 59 | 500 | SMC |
| SPT02-236DDB | 2 | 1400 | 25 | 36 | 1 | 38 | 1 | 46 | 2 | QFN-2L |
| SPT01-335DEE | 3 | 92 | 2 | 36 | 1 | 38 | 1 | 46 | 2 | QFN 3x3 |
| PEP01-5841 | 4 | 2700 | 24 | 58 | 0.2 | 64.4 | 1 | 100 | 24 | SO-8 |
| SLVU2.8-4A1 | 4 | 600 | 30 | 2.8 | 0.2 | - | - | 15 | 24 | SO-8 |
| ITA6V5B1 | 4 | 300 | 40 | 5 | 10 | 6.5 | 1 | 12 | 25 | SO-8 |
| ITA10B1 | 4 | 300 | 40 | 8 | 4 | 10 | 1 | 19 | 25 | SO-8 |
| ITA18B1 | 4 | 300 | 40 | 15 | 4 | 18 | 1 | 29 | 25 | SO-8 |
| ITA25B1 | 4 | 300 | 40 | 24 | 4 | 25 | 1 | 38 | 25 | SO-8 |
| ITA6V1U1 | 6 | 300 | 40 | 5 | 10 | 6.1 | 1 | 12 | 25 | SO-8 |
| SLVU2.8-8A1 | 8 | 600 | 30 | 2.8 | 0.2 | - | - | 15 | 24 | SO-8 |

| Part number | Number of protected lines | Peak pulse power (PPP) 8/20 μ s | Peak pulse current IPP 8/20 μ s @ 25 °C | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|--------------|---------------------------|-------------------------------------|---|----------------------------|-------------------------------------|------------------------------------|-------|-----------------------------|------------------|---------|
| | | (W) | (A) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| STIEC45-28AS | 1 | 24500 | 500 | 28 | 0.2 | 31.1 | 1 | 49 | 500 | SMC |
| STIEC45-30AS | 1 | 27500 | 500 | 30 | 0.2 | 33.3 | 1 | 55 | 500 | SMC |
| STIEC45-33AS | 1 | 29500 | 500 | 33 | 0.2 | 36.7 | 1 | 59 | 500 | SMC |

Standard 10/1000 μ s TVS

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM} @ 25\text{ °C}$ | Breakdown voltage $V_{BR} @ I_R$ | I_R | Clamping voltage $V_{CL} @$ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|---|-------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMX1J7.5A-TR | - | 85 | 800 | 7.5 | 1 | 8.2 | 1 | 20 | 40 | QFN-2L |
| BZW04-5V8 | BZW04-5V8B | 400 | 2200 | 5.8 | 10 | 6.45 | 10 | 13.4 | 174 | DO-15 |
| BZW04-7V8 | BZW04-7V8B | 400 | 2200 | 7.8 | 10 | 8.65 | 1 | 17.1 | 135 | DO-15 |
| BZW04-10 | BZW04-10B | 400 | 2200 | 10.2 | 5 | 11.4 | 1 | 21.7 | 106 | DO-15 |
| BZW04-13 | BZW04-13B | 400 | 2200 | 12.8 | 5 | 14.3 | 1 | 27.2 | 85 | DO-15 |
| BZW04-15 | BZW04-15B | 400 | 2200 | 15.3 | 1 | 17.1 | 1 | 32.5 | 71 | DO-15 |
| BZW04-26 | BZW04-26B | 400 | 2200 | 25.6 | 0.5 | 28.5 | 1 | 53.5 | 43 | DO-15 |
| BZW04-28 | BZW04-28B | 400 | 2200 | 28.2 | 0.5 | 31.4 | 1 | 59 | 39 | DO-15 |
| BZW04-31 | BZW04-31B | 400 | 2200 | 30.8 | 0.5 | 34.2 | 1 | 64.3 | 36 | DO-15 |
| BZW04-33 | BZW04-33B | 400 | 2200 | 33.3 | 0.5 | 37.1 | 1 | 69.7 | 33 | DO-15 |
| BZW04-37 | BZW04-37B | 400 | 2200 | 37 | 0.5 | 40.9 | 1 | 76.7 | 30 | DO-15 |
| BZW04-48 | BZW04-48B | 400 | 2200 | 47.8 | 0.5 | 53.2 | 1 | 100 | 23 | DO-15 |
| BZW04-58 | BZW04-58B | 400 | 2200 | 58 | 0.5 | 64.6 | 1 | 121 | 19 | DO-15 |
| BZW04-70 | BZW04-70B | 400 | 2200 | 70 | 0.5 | 77.9 | 1 | 146 | 16 | DO-15 |
| BZW04-239 | BZW04-239B | 400 | 2200 | 239 | 0.5 | 266 | 1 | 494 | 4.6 | DO-15 |
| BZW04-299 | BZW04-299B | 400 | 2200 | 299 | 0.5 | 332 | 1 | 618 | 3.7 | DO-15 |
| BZW04-342 | BZW04-342B | 400 | 2200 | 342 | 0.5 | 380 | 1 | 706 | 3.2 | DO-15 |
| BZW04-376 | BZW04-376B | 400 | 2200 | 376 | 0.5 | 418 | 1 | 776 | 3 | DO-15 |
| SMAJ5.0A-TR | SMAJ5.0CA-TR | 400 | 2200 | 5 | 20 | 6.4 | 10 | 13.4 | 174 | SMA |
| SMAJ6.0A-TR | SMAJ6.0CA-TR | 400 | 2200 | 6 | 20 | 6.7 | 10 | 13.7 | 170 | SMA |
| SMAJ6.5A-TR | SMAJ6.5CA-TR | 400 | 2200 | 6.5 | 20 | 7.2 | 10 | 14.5 | 160 | SMA |
| SMAJ8.5A-TR | SMAJ8.5CA-TR | 400 | 2200 | 8.5 | 20 | 9.4 | 1 | 19.5 | 124 | SMA |
| SMAJ10A-TR | SMAJ10CA-TR | 400 | 2200 | 10 | 0.2 | 11.1 | 1 | 21.7 | 106 | SMA |

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMAJ12A-TR | SMAJ12CA-TR | 400 | 2200 | 12 | 0.2 | 13.3 | 1 | 25.3 | 91 | SMA |
| SMAJ13A-TR | SMAJ13CA-TR | 400 | 2200 | 13 | 0.2 | 14.4 | 1 | 27.2 | 85 | SMA |
| SMAJ15A-TR | SMAJ15CA-TR | 400 | 2200 | 15 | 0.2 | 16.7 | 1 | 32.5 | 71 | SMA |
| SMAJ18A-TR | SMAJ18CA-TR | 400 | 2200 | 18 | 0.2 | 20 | 1 | 39.3 | 59 | SMA |
| SMAJ20A-TR | SMAJ20CA-TR | 400 | 2200 | 20 | 0.2 | 22.2 | 1 | 42.8 | 54 | SMA |
| SMAJ22A-TR | SMAJ22CA-TR | 400 | 2200 | 22 | 0.2 | 24.4 | 1 | 48.3 | 48 | SMA |
| SMAJ24A-TR | SMAJ24CA-TR | 400 | 2200 | 24 | 0.2 | 26.7 | 1 | 50 | 46 | SMA |
| SMAJ26A-TR | SMAJ26CA-TR | 400 | 2200 | 26 | 0.2 | 28.9 | 1 | 53.5 | 43 | SMA |
| SMAJ28A-TR | SMAJ28CA-TR | 400 | 2200 | 28 | 0.2 | 31.1 | 1 | 59 | 39 | SMA |
| SMAJ30A-TR | SMAJ30CA-TR | 400 | 2200 | 30 | 0.2 | 33.3 | 1 | 64.3 | 36 | SMA |
| SMAJ33A-TR | SMAJ33CA-TR | 400 | 2200 | 33 | 0.2 | 36.7 | 1 | 69.7 | 33 | SMA |
| SMAJ40A-TR | SMAJ40CA-TR | 400 | 2200 | 40 | 0.2 | 44.4 | 1 | 84 | 27 | SMA |
| SMAJ43A-TR | SMAJ43CA-TR | 400 | 2200 | 43 | 0.2 | 47.8 | 1 | 91 | 25 | SMA |
| SMAJ48A-TR | SMAJ48CA-TR | 400 | 2200 | 48 | 0.2 | 53.3 | 1 | 100 | 23 | SMA |
| SMAJ58A-TR | SMAJ58CA-TR | 400 | 2200 | 58 | 0.2 | 64.4 | 1 | 121 | 19 | SMA |
| SMAJ70A-TR | SMAJ70CA-TR | 400 | 2200 | 70 | 0.2 | 77.8 | 1 | 146 | 16 | SMA |
| SMAJ85A-TR | SMAJ85CA-TR | 400 | 2200 | 85 | 0.2 | 94.4 | 1 | 178 | 13 | SMA |
| SMAJ130A-TR | SMAJ130CA-TR | 400 | 2200 | 130 | 0.2 | 144 | 1 | 265 | 9 | SMA |
| SMAJ154A-TR | SMAJ154CA-TR | 400 | 2200 | 154 | 0.2 | 171 | 1 | 317 | 7 | SMA |
| SMAJ170A-TR | SMAJ170CA-TR | 400 | 2200 | 170 | 0.2 | 189 | 1 | 353 | 6.5 | SMA |
| SMAJ188A-TR | SMAJ188CA-TR | 400 | 2200 | 188 | 0.2 | 209 | 1 | 388 | 6 | SMA |
| SM4T6V7AY(*) | SM4T6V7CAY(*) | 400 | 2300 | 5 | 20 | 6.4 | 10 | 13.4 | 174 | SMA |
| SM4T7V6AY(*) | SM4T7V6CAY(*) | 400 | 2300 | 6.5 | 20 | 7.2 | 10 | 14.5 | 160 | SMA |
| SM4T10AY(*) | SM4T10CAY(*) | 400 | 2300 | 8.5 | 20 | 9.4 | 1 | 19.5 | 124 | SMA |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|------------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SM4T12AY(*) | SM4T12CAY(*) | 400 | 2300 | 10 | 0.2 | 11.1 | 1 | 21.7 | 106 | SMA |
| SM4T14AY(*) | SM4T14CAY(*) | 400 | 2300 | 12 | 0.2 | 13.3 | 1 | 25.3 | 91 | SMA |
| SM4T15AY(*) | SM4T15CAY(*) | 400 | 2300 | 13 | 0.2 | 14.4 | 1 | 27.2 | 85 | SMA |
| SM4T18AY(*) | SM4T18CAY(*) | 400 | 2300 | 15 | 0.2 | 16.7 | 1 | 32.5 | 71 | SMA |
| SM4T21AY(*) | SM4T21CAY(*) | 400 | 2300 | 18 | 0.2 | 20 | 1 | 39.3 | 59 | SMA |
| SM4T23AY(*) | SM4T23CAY(*) | 400 | 2300 | 20 | 0.2 | 22.2 | 1 | 42.8 | 54 | SMA |
| SM4T26AY(*) | SM4T26CAY(*) | 400 | 2300 | 22 | 0.2 | 24.4 | 1 | 48.3 | 48 | SMA |
| SM4T28AY(*) | SM4T28CAY(*) | 400 | 2300 | 24 | 0.2 | 26.7 | 1 | 50 | 46 | SMA |
| SM4T30AY(*) | SM4T30CAY(*) | 400 | 2300 | 26 | 0.2 | 28.9 | 1 | 53.5 | 43 | SMA |
| SM4T33AY(*) | SM4T33CAY(*) | 400 | 2300 | 28 | 0.2 | 31.1 | 1 | 59 | 39 | SMA |
| SM4T35AY(*) | SM4T35CAY(*) | 400 | 2300 | 30 | 0.2 | 33.3 | 1 | 64.3 | 36 | SMA |
| SM4T39AY(*) | SM4T39CAY(*) | 400 | 2300 | 33 | 0.2 | 36.7 | 1 | 69.7 | 33 | SMA |
| SM4T47AY(*) | SM4T47CAY(*) | 400 | 2300 | 40 | 0.2 | 44.4 | 1 | 84 | 27 | SMA |
| SM4T50AY(*) | SM4T50CAY(*) | 400 | 2300 | 43 | 0.2 | 47.8 | 1 | 91 | 25 | SMA |
| SM4T56AY(*) | SM4T56CAY(*) | 400 | 2300 | 48 | 0.2 | 53.3 | 1 | 100 | 23 | SMA |
| SM4T68AY(*) | SM4T68CAY(*) | 400 | 2300 | 58 | 0.2 | 64.4 | 1 | 121 | 19 | SMA |
| SM4T82AY(*) | SM4T82CAY(*) | 400 | 2300 | 70 | 0.2 | 77.8 | 1 | 146 | 16 | SMA |
| SMA4F5.0A-TR | - | 400 | 2200 | 5 | 10 | 6.4 | 10 | 13.4 | 174 | SMA Flat |
| SMM4F5.0A-TR | - | 400 | 2200 | 5 | 10 | 6.46 | 10 | 13.3 | 174 | STMiteFlat |
| SMM4F6.0A-TR | - | 400 | 2200 | 6 | 10 | 6.65 | 10 | 13.7 | 170 | STMiteFlat |
| SMM4F6.5A-TR | - | 400 | 2200 | 6.5 | 10 | 7.13 | 10 | 14.5 | 160 | STMiteFlat |
| SMM4F8.5A-TR | - | 400 | 2200 | 8.5 | 10 | 9.5 | 1 | 19.5 | 124 | STMiteFlat |
| SMM4F10A-TR | - | 400 | 2200 | 10 | 0.2 | 11.4 | 1 | 21.7 | 106 | STMiteFlat |
| SMM4F12A-TR | - | 400 | 2200 | 12 | 0.2 | 13.3 | 1 | 25.3 | 91 | STMiteFlat |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current $I_{RM} @ V_{RM} @ 25\text{ °C}$ | Breakdown voltage $V_{BR} @ I_R$ | I_R | Clamping voltage $V_{CL} @$ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|---|-------------------------------------|-------|--------------------------------|------------------|------------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMM4F13A-TR | - | 400 | 2200 | 13 | 0.2 | 14.3 | 1 | 27.2 | 85 | STMiteFlat |
| SMM4F15A-TR | - | 400 | 2200 | 15 | 0.2 | 17.1 | 1 | 32.5 | 71 | STMiteFlat |
| SMM4F18A-TR | - | 400 | 2200 | 18 | 0.2 | 20.9 | 1 | 39.3 | 59 | STMiteFlat |
| SMM4F20A-TR | - | 400 | 2200 | 20 | 0.2 | 22.8 | 1 | 42.8 | 54 | STMiteFlat |
| SMM4F24A-TR | - | 400 | 2200 | 24 | 0.2 | 26.6 | 1 | 50 | 46 | STMiteFlat |
| SMM4F26A-TR | - | 400 | 2200 | 26 | 0.2 | 28.5 | 1 | 53.5 | 43 | STMiteFlat |
| SMM4F28A-TR | - | 400 | 2200 | 28 | 0.2 | 31.4 | 1 | 59 | 39 | STMiteFlat |
| SMM4F33A-TR | - | 400 | 2200 | 33 | 0.2 | 37.1 | 1 | 69.7 | 33 | STMiteFlat |
| BZW06-5V8 | BZW06-5V8B | 600 | 4000 | 5.8 | 1000 | 6.45 | 10 | 13.4 | 298 | DO-15 |
| BZW06-6V4 | BZW06-6V4B | 600 | 4000 | 6.4 | 500 | 7.13 | 10 | 14.5 | 276 | DO-15 |
| BZW06-10 | BZW06-10B | 600 | 4000 | 10.2 | 5 | 11.4 | 1 | 21.7 | 184 | DO-15 |
| BZW06-13 | BZW06-13B | 600 | 4000 | 12.8 | 5 | 14.3 | 1 | 27.2 | 147 | DO-15 |
| BZW06-15 | BZW06-15B | 600 | 4000 | 15.3 | 0.5 | 17.1 | 1 | 32.5 | 123 | DO-15 |
| BZW06-19 | BZW06-19B | 600 | 4000 | 18.8 | 0.5 | 20.9 | 1 | 39.3 | 102 | DO-15 |
| BZW06-23 | BZW06-23B | 600 | 4000 | 23.1 | 0.5 | 25.7 | 1 | 48.3 | 83 | DO-15 |
| BZW06-26 | BZW06-26B | 600 | 4000 | 25.6 | 0.5 | 28.5 | 1 | 53.5 | 75 | DO-15 |
| BZW06-28 | BZW06-28B | 600 | 4000 | 28.2 | 0.5 | 31.4 | 1 | 59 | 68 | DO-15 |
| BZW06-31 | BZW06-31B | 600 | 4000 | 30.8 | 0.5 | 34.2 | 1 | 64.3 | 62 | DO-15 |
| BZW06-33 | BZW06-33B | 600 | 4000 | 33.3 | 0.5 | 37.1 | 1 | 69.7 | 57 | DO-15 |
| BZW06-37 | BZW06-37B | 600 | 4000 | 37 | 0.5 | 40.9 | 1 | 76.7 | 52 | DO-15 |
| BZW06-48 | BZW06-48B | 600 | 4000 | 47.8 | 0.5 | 53.2 | 1 | 100 | 40 | DO-15 |
| BZW06-58 | BZW06-58B | 600 | 4000 | 58 | 0.5 | 64.6 | 1 | 121 | 33 | DO-15 |
| BZW06-171 | BZW06-171B | 600 | 4000 | 171 | 0.5 | 190 | 1 | 353 | 11.3 | DO-15 |
| BZW06-273 | BZW06-273B | 600 | 4000 | 273 | 0.5 | 304 | 1 | 564 | 7.1 | DO-15 |

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| BZW06-342 | BZW06-342B | 600 | 4000 | 342 | 0.5 | 380 | 1 | 706 | 5.7 | DO-15 |
| BZW06-376 | BZW06-376B | 600 | 4000 | 376 | 0.5 | 418 | 1 | 776 | 5.7 | DO-15 |
| P6KE6V8A | P6KE6V8CA | 600 | 4000 | 5.8 | 10 | 6.45 | 10 | 13.4 | 298 | DO-15 |
| P6KE7V5A | P6KE7V5CA | 600 | 4000 | 6.4 | 10 | 7.13 | 10 | 14.5 | 276 | DO-15 |
| P6KE10A | P6KE10CA | 600 | 4000 | 8.55 | 1 | 9.5 | 1 | 18.6 | 215 | DO-15 |
| P6KE12A | P6KE12CA | 600 | 4000 | 10 | 0.5 | 11.4 | 1 | 21.7 | 184 | DO-15 |
| P6KE15A | P6KE15CA | 600 | 4000 | 12.8 | 0.5 | 14.3 | 1 | 27.2 | 147 | DO-15 |
| P6KE18A | P6KE18CA | 600 | 4000 | 15.3 | 0.5 | 17.1 | 1 | 32.5 | 123 | DO-15 |
| P6KE24A | P6KE24CA | 600 | 4000 | 20 | 0.5 | 22.8 | 1 | 42.8 | 93 | DO-15 |
| P6KE27A | P6KE27CA | 600 | 4000 | 23.1 | 0.5 | 25.7 | 1 | 48.3 | 83 | DO-15 |
| P6KE30A | P6KE30CA | 600 | 4000 | 25.6 | 0.5 | 28.5 | 1 | 53.5 | 75 | DO-15 |
| P6KE33A | P6KE33CA | 600 | 4000 | 28.2 | 0.5 | 31.4 | 1 | 59 | 68 | DO-15 |
| P6KE36A | P6KE36CA | 600 | 4000 | 30.8 | 0.5 | 34.2 | 1 | 64.3 | 62 | DO-15 |
| P6KE39A | P6KE39CA | 600 | 4000 | 33.3 | 0.5 | 37.1 | 1 | 69.7 | 57 | DO-15 |
| P6KE47A | P6KE47CA | 600 | 4000 | 40 | 0.5 | 44.7 | 1 | 84 | 48 | DO-15 |
| P6KE56A | P6KE56CA | 600 | 4000 | 47.8 | 0.5 | 53.2 | 1 | 100 | 40 | DO-15 |
| P6KE68A | P6KE68CA | 600 | 4000 | 58.1 | 0.5 | 64.6 | 1 | 121 | 33 | DO-15 |
| P6KE82A | P6KE82CA | 600 | 4000 | 70.1 | 0.5 | 77.9 | 1 | 146 | 27 | DO-15 |
| P6KE150A | P6KE150CA | 600 | 4000 | 128 | 0.5 | 143 | 1 | 265 | 15 | DO-15 |
| P6KE180A | P6KE180CA | 600 | 4000 | 154 | 0.5 | 171 | 1 | 317 | 12.6 | DO-15 |
| P6KE200A | P6KE200CA | 600 | 4000 | 171 | 0.5 | 190 | 1 | 353 | 11.3 | DO-15 |
| P6KE220A | P6KE220CA | 600 | 4000 | 188 | 0.5 | 209 | 1 | 388 | 10.3 | DO-15 |
| P6KE250A | P6KE250CA | 600 | 4000 | 213 | 0.5 | 237 | 1 | 442 | 9 | DO-15 |
| P6KE300A | P6KE300CA | 600 | 4000 | 256 | 0.5 | 285 | 1 | 529 | 7.6 | DO-15 |

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| P6KE400A | P6KE400CA | 600 | 4000 | 342 | 0.5 | 380 | 1 | 706 | 5.7 | DO-15 |
| P6KE440A | P6KE440CA | 600 | 4000 | 376 | 0.5 | 418 | 1 | 776 | 5.2 | DO-15 |
| SMLVT3V3 | | 600 | 2000 | 3.3 | 200 | 4.1 | 1 | 10.3 | 200 | SMB |
| SM6T6V8A | SM6T6V8CA | 600 | 4000 | 5.8 | 20 | 6.45 | 10 | 13.4 | 298 | SMB |
| SM6T7V5A | SM6T7V5CA | 600 | 4000 | 6.4 | 20 | 7.13 | 10 | 14.5 | 276 | SMB |
| SM6T10A | SM6T10CA | 600 | 4000 | 8.55 | 20 | 9.5 | 1 | 18.6 | 215 | SMB |
| SM6T12A | SM6T12CA | 600 | 4000 | 10.2 | 0.2 | 11.4 | 1 | 21.7 | 184 | SMB |
| SM6T15A | SM6T15CA | 600 | 4000 | 12.8 | 0.2 | 14.3 | 1 | 27.2 | 147 | SMB |
| SM6T18A | SM6T18CA | 600 | 4000 | 15.3 | 0.2 | 17.1 | 1 | 32.5 | 123 | SMB |
| SM6T22A | SM6T22CA | 600 | 4000 | 18.8 | 0.2 | 20.9 | 1 | 39.3 | 102 | SMB |
| SM6T24A | SM6T24CA | 600 | 4000 | 20.5 | 0.2 | 22.8 | 1 | 42.8 | 93 | SMB |
| SM6T27A | SM6T27CA | 600 | 4000 | 23.1 | 0.2 | 25.7 | 1 | 48.3 | 83 | SMB |
| SM6T30A | SM6T30CA | 600 | 4000 | 25.6 | 0.2 | 28.5 | 1 | 53.5 | 75 | SMB |
| SM6T33A | SM6T33CA | 600 | 4000 | 28.2 | 0.2 | 31.4 | 1 | 59 | 68 | SMB |
| SM6T36A | SM6T36CA | 600 | 4000 | 30.8 | 0.2 | 34.2 | 1 | 64.3 | 62 | SMB |
| SM6T39A | SM6T39CA | 600 | 4000 | 33.3 | 0.2 | 37.1 | 1 | 69.7 | 57 | SMB |
| SM6T56A | SM6T56CA | 600 | 4000 | 47.6 | 0.2 | 53.2 | 1 | 100 | 40 | SMB |
| SM6T68A | SM6T68CA | 600 | 4000 | 58.1 | 0.2 | 64.6 | 1 | 121 | 33 | SMB |
| SM6T100A | SM6T100CA | 600 | 4000 | 85.5 | 0.2 | 95 | 1 | 178 | 22.5 | SMB |
| SM6T150A | SM6T150CA | 600 | 4000 | 128 | 0.2 | 143 | 1 | 265 | 15 | SMB |
| SM6T200A | SM6T200CA | 600 | 4000 | 171 | 0.2 | 190 | 1 | 353 | 11.3 | SMB |
| SM6T220A | SM6T220CA | 600 | 4000 | 188 | 0.2 | 209 | 1 | 388 | 10.3 | SMB |
| - | SM6T250CAY ^(*) | 600 | 4000 | 213 | 0.2 | 213 | 1 | 400 | 10 | SMB |
| SM6T6V8AY ^(*) | SM6T6V8CAY ^(*) | 600 | 4000 | 5.8 | 20 | 6.45 | 10 | 13.4 | 298 | SMB |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|----------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SM6T7V5AY(*) | SM6T7V5CAY(*) | 600 | 4000 | 6.4 | 20 | 7.13 | 10 | 14.5 | 276 | SMB |
| SM6T10AY(*) | SM6T10CAY(*) | 600 | 4000 | 8.55 | 20 | 9.5 | 1 | 18.6 | 215 | SMB |
| SM6T12AY(*) | SM6T12CAY(*) | 600 | 4000 | 10.2 | 0.2 | 11.4 | 1 | 21.7 | 184 | SMB |
| SM6T15AY(*) | SM6T15CAY(*) | 600 | 4000 | 12.8 | 0.2 | 14.3 | 1 | 27.2 | 147 | SMB |
| SM6T16V5AY(*) | SM6T16V5CAY(*) | 600 | 4000 | 14.1 | 0.2 | 15.7 | 1 | 29 | 136 | SMB |
| SM6T18AY(*) | SM6T18CAY(*) | 600 | 4000 | 15.3 | 0.2 | 17.1 | 1 | 32.5 | 123 | SMB |
| SM6T22AY(*) | SM6T22CAY(*) | 600 | 4000 | 18.8 | 0.2 | 20.9 | 1 | 39.3 | 102 | SMB |
| SM6T24AY(*) | SM6T24CAY(*) | 600 | 4000 | 20.5 | 0.2 | 22.8 | 1 | 42.8 | 93 | SMB |
| SM6T27AY(*) | SM6T27CAY(*) | 600 | 4000 | 23.1 | 0.2 | 25.7 | 1 | 48.3 | 83 | SMB |
| SM6T30AY(*) | SM6T30CAY(*) | 600 | 4000 | 25.6 | 0.2 | 28.5 | 1 | 53.5 | 75 | SMB |
| SM6T33AY(*) | SM6T33CAY(*) | 600 | 4000 | 28.2 | 0.2 | 31.4 | 1 | 59 | 68 | SMB |
| SM6T36AY(*) | SM6T36CAY(*) | 600 | 4000 | 30.8 | 0.2 | 34.2 | 1 | 64.3 | 62 | SMB |
| SM6T39AY(*) | SM6T39CAY(*) | 600 | 4000 | 33.3 | 0.2 | 37.1 | 1 | 69.7 | 57 | SMB |
| SM6T42AY(*) | SM6T42CAY(*) | 600 | 4000 | 36 | 0.2 | 40 | 1 | 76 | 52 | SMB |
| SM6T47AY(*) | SM6T47CAY(*) | 600 | 4000 | 40 | 0.2 | 44.4 | 1 | 84 | 48 | SMB |
| SM6T56AY(*) | SM6T56CAY(*) | 600 | 4000 | 47.6 | 0.2 | 53.2 | 1 | 100 | 40 | SMB |
| SM6T68AY(*) | SM6T68CAY(*) | 600 | 4000 | 58.1 | 0.2 | 64.6 | 1 | 121 | 33 | SMB |
| SM6T75AY(*) | SM6T75CAY(*) | 600 | 4000 | 64.1 | 0.2 | 71.3 | 1 | 134 | 30 | SMB |
| SM6T82AY(*) | SM6T82CAY(*) | 600 | 4000 | 70 | 0.2 | 77.8 | 1 | 146 | 27 | SMB |
| SMA6F5.0A-TR | - | 600 | 4000 | 5 | 10 | 6.4 | 10 | 13.4 | 298 | SMA Flat |
| SMA6F12AVCL | - | 600 | 4000 | 12 | 0.2 | 13.3 | 1 | 22.9 | 157 | SMA Flat |
| SMA6F13A-TR | - | 600 | 4000 | 13 | 0.2 | 14.4 | 1 | 23.9 | 147 | SMA Flat |
| SMA6J5.0A-TR | SMA6J5.0CA-TR | 600 | 4000 | 5 | 10 | 6.4 | 10 | 13.4 | 298 | SMA |
| SMA6J6.0A-TR | SMA6J6.0CA-TR | 600 | 4000 | 6 | 10 | 6.7 | 10 | 13.7 | 290 | SMA |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMA6J6.5A-TR | SMA6J6.5CA-TR | 600 | 4000 | 6.5 | 10 | 7.2 | 10 | 14.5 | 276 | SMA |
| SMA6J8.5A-TR | SMA6J8.5CA-TR | 600 | 4000 | 8.5 | 10 | 9.4 | 1 | 18.7 | 205 | SMA |
| SMA6J10A-TR | SMA6J10CA-TR | 600 | 4000 | 10 | 0.2 | 11.1 | 1 | 19.6 | 184 | SMA |
| SMA6J12A-TR | SMA6J12CA-TR | 600 | 4000 | 12 | 0.2 | 13.3 | 1 | 23.5 | 157 | SMA |
| SMA6J13A-TR | SMA6J13CA-TR | 600 | 4000 | 13 | 0.2 | 14.4 | 1 | 23.9 | 147 | SMA |
| SMA6J15A-TR | SMA6J15CA-TR | 600 | 4000 | 15 | 0.2 | 16.7 | 1 | 27.7 | 123 | SMA |
| SMA6J18A-TR | SMA6J18CA-TR | 600 | 4000 | 18 | 0.2 | 20 | 1 | 33.2 | 102 | SMA |
| SMA6J20A-TR | SMA6J20CA-TR | 600 | 4000 | 20 | 0.2 | 22.2 | 1 | 36.8 | 93 | SMA |
| SMA6J24A-TR | SMA6J24CA-TR | 600 | 4000 | 24 | 0.2 | 26.7 | 1 | 44.3 | 80 | SMA |
| SMA6J26A-TR | SMA6J26CA-TR | 600 | 4000 | 26 | 0.2 | 28.9 | 1 | 47.9 | 75 | SMA |
| SMA6J28A-TR | SMA6J28CA-TR | 600 | 4000 | 28 | 0.2 | 31.1 | 1 | 51.6 | 68 | SMA |
| SMA6J33A-TR | SMA6J33CA-TR | 600 | 4000 | 33 | 0.2 | 36.7 | 1 | 60.8 | 57 | SMA |
| SMA6J40A-TR | SMA6J40CA-TR | 600 | 4000 | 40 | 0.2 | 44.4 | 1 | 73.6 | 48 | SMA |
| SMA6J48A-TR | SMA6J48CA-TR | 600 | 4000 | 48 | 0.2 | 53.3 | 1 | 88.4 | 40 | SMA |
| SMA6J58A-TR | SMA6J58CA-TR | 600 | 4000 | 58 | 0.2 | 64.4 | 1 | 100 | 33 | SMA |
| SMA6J70A-TR | SMA6J70CA-TR | 600 | 4000 | 70 | 0.2 | 77.8 | 1 | 120 | 27 | SMA |
| SMA6J85A-TR | SMA6J85CA-TR | 600 | 4000 | 85 | 0.2 | 94 | 1 | 146 | 22.5 | SMA |
| SMA6J100A-TR | SMA6J100CA-TR | 600 | 4000 | 100 | 0.2 | 111 | 1 | 172 | 19 | SMA |
| SMA6J130A-TR | SMA6J130CA-TR | 600 | 4000 | 130 | 0.2 | 144 | 1 | 223 | 15 | SMA |
| SMA6J154A-TR | SMA6J154CA-TR | 600 | 4000 | 154 | 0.2 | 171 | 1 | 265 | 12.6 | SMA |
| SMA6J170A-TR | SMA6J170CA-TR | 600 | 4000 | 170 | 0.2 | 189 | 1 | 292 | 11.3 | SMA |
| SMA6J188A-TR | SMA6J188CA-TR | 600 | 4000 | 188 | 0.2 | 209 | 1 | 323 | 10.3 | SMA |
| SMA6T6V7AY(*) | SMA6T6V7CAY(*) | 600 | 4000 | 5 | 20 | 6.4 | 10 | 13.4 | 298 | SMA |
| SMA6T7V6AY(*) | SMA6T7V6CAY(*) | 600 | 4000 | 6.5 | 20 | 7.2 | 10 | 14.5 | 276 | SMA |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMA6T10AY(*) | SMA6T10CAY(*) | 600 | 4000 | 8.6 | 20 | 9.5 | 1 | 18.6 | 215 | SMA |
| SMA6T12AY(*) | SMA6T12CAY(*) | 600 | 4000 | 10.2 | 0.2 | 11.4 | 1 | 21.7 | 184 | SMA |
| SMA6T14AY(*) | SMA6T14CAY(*) | 600 | 4000 | 12 | 0.2 | 13.3 | 1 | 23.5 | 157 | SMA |
| SMA6T15AY(*) | SMA6T15CAY(*) | 600 | 4000 | 12.8 | 0.2 | 14.3 | 1 | 27.2 | 147 | SMA |
| SMA6T18AY(*) | SMA6T18CAY(*) | 600 | 4000 | 15.3 | 0.2 | 17.1 | 1 | 32.3 | 123 | SMA |
| SMA6T22AY(*) | SMA6T22CAY(*) | 600 | 4000 | 18.8 | 0.2 | 20.9 | 1 | 39.3 | 102 | SMA |
| SMA6T24AY(*) | SMA6T24CAY(*) | 600 | 4000 | 20.5 | 0.2 | 22.8 | 1 | 42.8 | 93 | SMA |
| SMA6T28AY(*) | SMA6T28CAY(*) | 600 | 4000 | 24 | 0.2 | 26.7 | 1 | 44.3 | 80 | SMA |
| SMA6T30AY(*) | SMA6T30CAY(*) | 600 | 4000 | 25.6 | 0.2 | 28.5 | 1 | 53.5 | 75 | SMA |
| SMA6T33AY(*) | SMA6T33CAY(*) | 600 | 4000 | 28.2 | 0.2 | 31.4 | 1 | 59 | 68 | SMA |
| SMA6T39AY(*) | SMA6T39CAY(*) | 600 | 4000 | 33.3 | 0.2 | 37.1 | 1 | 69.7 | 57 | SMA |
| SMA6T47AY(*) | SMA6T47CAY(*) | 600 | 4000 | 40 | 0.2 | 44.4 | 1 | 73.6 | 48 | SMA |
| SMA6T56AY(*) | SMA6T56CAY(*) | 600 | 4000 | 47.6 | 0.2 | 53.2 | 1 | 100 | 40 | SMA |
| SMA6T68AY(*) | SMA6T68CAY(*) | 600 | 4000 | 58.1 | 0.2 | 64.6 | 1 | 121 | 33 | SMA |
| SMA6T82AY(*) | SMA6T82CAY(*) | 600 | 4000 | 70 | 0.2 | 77.8 | 1 | 120 | 27 | SMA |
| SMBJ5.0A-TR | SMBJ5.0CA-TR | 600 | 4000 | 5 | 20 | 6.4 | 10 | 13.4 | 298 | SMB |
| SMBJ6.0A-TR | SMBJ6.0CA-TR | 600 | 4000 | 6 | 20 | 6.7 | 10 | 13.7 | 290 | SMB |
| SMBJ6.5A-TR | SMBJ6.5CA-TR | 600 | 4000 | 6.5 | 20 | 7.2 | 10 | 14.5 | 276 | SMB |
| SMBJ8.5A-TR | SMBJ8.5CA-TR | 600 | 4000 | 8.5 | 10 | 9.9 | 1 | 19.5 | 205 | SMB |
| SMBJ10A-TR | SMBJ10CA-TR | 600 | 4000 | 10 | 20 | 11.1 | 1 | 21.7 | 184 | SMB |
| SMBJ12A-TR | SMBJ12CA-TR | 600 | 4000 | 12 | 0.2 | 13.3 | 1 | 25.3 | 157 | SMB |
| SMBJ13A-TR | SMBJ13CA-TR | 600 | 4000 | 13 | 0.2 | 14.4 | 1 | 27.2 | 147 | SMB |
| SMBJ15A-TR | SMBJ15CA-TR | 600 | 4000 | 15 | 0.2 | 16.7 | 1 | 32.5 | 123 | SMB |
| SMBJ16A-TR | SMBJ16CA-TR | 600 | 4000 | 16 | 0.2 | 18.7 | 1 | 32.5 | 123 | SMB |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMBJ18A-TR | SMBJ18CA-TR | 600 | 4000 | 18 | 0.2 | 20 | 1 | 39.3 | 102 | SMB |
| SMBJ20A-TR | SMBJ20CA-TR | 600 | 4000 | 20 | 0.2 | 23.4 | 1 | 42.8 | 93 | SMB |
| SMBJ22A-TR | SMBJ22CA-TR | 600 | 4000 | 22 | 0.2 | 24.4 | 1 | 48.3 | 83 | SMB |
| SMBJ24A-TR | SMBJ24CA-TR | 600 | 4000 | 24 | 0.2 | 26.7 | 1 | 50 | 80 | SMB |
| SMBJ26A-TR | SMBJ26CA-TR | 600 | 4000 | 26 | 0.2 | 28.9 | 1 | 53.5 | 75 | SMB |
| SMBJ28A-TR | SMBJ28CA-TR | 600 | 4000 | 28 | 0.2 | 31.1 | 1 | 59 | 68 | SMB |
| SMBJ30A-TR | SMBJ30CA-TR | 600 | 4000 | 30 | 0.2 | 33.3 | 1 | 64.3 | 62 | SMB |
| SMBJ33A-TR | SMBJ33CA-TR | 600 | 4000 | 33 | 0.2 | 36.7 | 1 | 69.7 | 57 | SMB |
| SMBJ36A-TR | SMBJ36CA-TR | 600 | 4000 | 36 | 0.2 | 40 | 1 | 76 | 52 | SMB |
| SMBJ40A-TR | SMBJ40CA-TR | 600 | 4000 | 40 | 0.2 | 44.4 | 1 | 84 | 48 | SMB |
| SMBJ48A-TR | SMBJ48CA-TR | 600 | 4000 | 48 | 0.2 | 53.3 | 1 | 100 | 40 | SMB |
| SMBJ58A-TR | SMBJ58CA-TR | 600 | 4000 | 58 | 0.2 | 64.4 | 1 | 121 | 33 | SMB |
| SMBJ70A-TR | SMBJ70CA-TR | 600 | 4000 | 70 | 0.2 | 77.8 | 1 | 146 | 27 | SMB |
| SMBJ85A-TR | SMBJ85CA-TR | 600 | 4000 | 85 | 0.2 | 94.4 | 1 | 178 | 22.5 | SMB |
| SMBJ100A-TR | SMBJ100CA-TR | 600 | 4000 | 100 | 0.2 | 117 | 1 | 212 | 19 | SMB |
| SMBJ130A-TR | SMBJ130CA-TR | 600 | 4000 | 130 | 0.2 | 144 | 1 | 265 | 15 | SMB |
| SMBJ154A-TR | SMBJ154CA-TR | 600 | 4000 | 154 | 0.2 | 171 | 1 | 317 | 12.6 | SMB |
| SMBJ170A-TR | SMBJ170CA-TR | 600 | 4000 | 170 | 0.2 | 189 | 1 | 353 | 11.3 | SMB |
| SMBJ188A-TR | SMBJ188CA-TR | 600 | 4000 | 188 | 0.2 | 209 | 1 | 388 | 10.3 | SMB |
| 1.5KE6V8A | 1.5KE6V8CA | 1500 | 10000 | 5.8 | 1000 | 6.8 | 10 | 13.4 | 746 | DO-201 |
| 1.5KE7V5A | 1.5KE7V5CA | 1500 | 10000 | 6.4 | 500 | 7.5 | 10 | 14.5 | 690 | DO-201 |
| 1.5KE12A | 1.5KE12CA | 1500 | 10000 | 10.2 | 1 | 12 | 1 | 21.7 | 461 | DO-201 |
| 1.5KE15A | 1.5KE15CA | 1500 | 10000 | 12.8 | 1 | 15 | 1 | 27.2 | 368 | DO-201 |
| 1.5KE18A | 1.5KE18CA | 1500 | 10000 | 15.3 | 1 | 18 | 1 | 32.5 | 308 | DO-201 |

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| 1.5KE22A | 1.5KE22CA | 1500 | 10000 | 18.8 | 1 | 22 | 1 | 39.3 | 254 | D0-201 |
| 1.5KE24A | 1.5KE24CA | 1500 | 10000 | 20.5 | 1 | 24 | 1 | 42.8 | 234 | D0-201 |
| 1.5KE30A | 1.5KE30CA | 1500 | 10000 | 25.6 | 1 | 30 | 1 | 53.5 | 187 | D0-201 |
| 1.5KE33A | 1.5KE33CA | 1500 | 10000 | 28.2 | 1 | 33 | 1 | 59 | 169 | D0-201 |
| 1.5KE36A | 1.5KE36CA | 1500 | 10000 | 30.8 | 1 | 36 | 1 | 64.3 | 156 | D0-201 |
| 1.5KE39A | 1.5KE39CA | 1500 | 10000 | 33.3 | 1 | 39 | 1 | 69.7 | 143 | D0-201 |
| 1.5KE43A | 1.5KE43CA | 1500 | 10000 | 36.8 | 1 | 43 | 1 | 76.8 | 130 | D0-201 |
| 1.5KE47A | 1.5KE47CA | 1500 | 10000 | 40.2 | 1 | 47 | 1 | 84 | 119 | D0-201 |
| 1.5KE56A | 1.5KE56CA | 1500 | 10000 | 47.8 | 1 | 56 | 1 | 100 | 100 | D0-201 |
| 1.5KE62A | 1.5KE62CA | 1500 | 10000 | 53 | 1 | 62 | 1 | 111 | 90 | D0-201 |
| 1.5KE68A | 1.5KE68CA | 1500 | 10000 | 58.1 | 1 | 68 | 1 | 121 | 83 | D0-201 |
| 1.5KE75A | 1.5KE75CA | 1500 | 10000 | 64.1 | 1 | 75 | 1 | 134 | 76 | D0-201 |
| 1.5KE82A | 1.5KE82CA | 1500 | 10000 | 70.1 | 1 | 82 | 1 | 146 | 69 | D0-201 |
| 1.5KE100A | 1.5KE100CA | 1500 | 10000 | 85.5 | 1 | 100 | 1 | 178 | 56 | D0-201 |
| 1.5KE130A | 1.5KE130CA | 1500 | 10000 | 111 | 1 | 130 | 1 | 230 | 43 | D0-201 |
| 1.5KE180A | 1.5KE180CA | 1500 | 10000 | 154 | 1 | 180 | 1 | 317 | 31.5 | D0-201 |
| 1.5KE200A | 1.5KE200CA | 1500 | 10000 | 171 | 1 | 200 | 1 | 353 | 28 | D0-201 |
| 1.5KE220A | 1.5KE220CA | 1500 | 10000 | 188 | 1 | 220 | 1 | 388 | 26 | D0-201 |
| 1.5KE250A | 1.5KE250CA | 1500 | 10000 | 213 | 1 | 250 | 1 | 442 | 23 | D0-201 |
| 1.5KE300A | 1.5KE300CA | 1500 | 10000 | 256 | 1 | 300 | 1 | 529 | 19 | D0-201 |
| 1.5KE350A | 1.5KE350CA | 1500 | 10000 | 299 | 1 | 350 | 1 | 618 | 16 | D0-201 |
| 1.5KE400A | 1.5KE400CA | 1500 | 10000 | 342 | 1 | 400 | 1 | 706 | 14 | D0-201 |
| 1.5KE440A | 1.5KE440CA | 1500 | 10000 | 376 | 1 | 440 | 1 | 776 | 13 | D0-201 |
| 1.5KE10A | 1.5KE10CA | 1500 | 10000 | - | 8.55 | - | 10 | - | 10 | - |

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| 1.5KE120A | 1.5KE120CA | 1500 | 10000 | - | 102 | - | 1 | - | 120 | - |
| 1.5KE150A | 1.5KE150CA | 1500 | 10000 | - | 128 | - | 1 | - | 150 | - |
| 1.5KE27A | 1.5KE27CA | 1500 | 10000 | - | 23.1 | - | 1 | - | 27 | - |
| SM15T6V8A | SM15T6V8CA | 1500 | 10000 | 5.8 | 500 | 6.45 | 10 | 13.4 | 746 | SMC |
| SM15T7V5A | SM15T7V5CA | 1500 | 10000 | 6.4 | 250 | 7.13 | 10 | 14.5 | 690 | SMC |
| SM15T10A | SM15T10CA | 1500 | 10000 | 8.55 | 10 | 9.5 | 1 | 18.6 | 538 | SMC |
| SM15T12A | SM15T12CA | 1500 | 10000 | 10.2 | 0.2 | 11.4 | 1 | 21.7 | 461 | SMC |
| SM15T15A | SM15T15CA | 1500 | 10000 | 12.8 | 0.2 | 14.3 | 1 | 27.2 | 368 | SMC |
| SM15T18A | SM15T18CA | 1500 | 10000 | 15.3 | 0.2 | 17.1 | 1 | 32.5 | 308 | SMC |
| SM15T22A | SM15T22CA | 1500 | 10000 | 18.8 | 0.2 | 20.9 | 1 | 39.3 | 254 | SMC |
| SM15T24A | SM15T24CA | 1500 | 10000 | 20.5 | 0.2 | 22.8 | 1 | 42.8 | 234 | SMC |
| SM15T27A | SM15T27CA | 1500 | 10000 | 23.1 | 0.2 | 25.7 | 1 | 48.3 | 207 | SMC |
| SM15T30A | SM15T30CA | 1500 | 10000 | 25.6 | 0.2 | 28.5 | 1 | 53.5 | 187 | SMC |
| SM15T33A | SM15T33CA | 1500 | 10000 | 28.2 | 0.2 | 31.4 | 1 | 59 | 169 | SMC |
| SM15T36A | SM15T36CA | 1500 | 10000 | 30.8 | 0.2 | 34.2 | 1 | 64.3 | 156 | SMC |
| SM15T39A | SM15T39CA | 1500 | 10000 | 33.3 | 0.2 | 37.1 | 1 | 69.7 | 143 | SMC |
| SM15T68A | SM15T68CA | 1500 | 10000 | 58.1 | 0.2 | 64.6 | 1 | 121 | 83 | SMC |
| SM15T75A | SM15T75CA | 1500 | 10000 | 64.1 | 0.2 | 71.3 | 1 | 134 | 75 | SMC |
| SM15T100A | SM15T100CA | 1500 | 10000 | 85.5 | 0.2 | 95 | 1 | 178 | 56 | SMC |
| SM15T150A | SM15T150CA | 1500 | 10000 | 128 | 0.2 | 143 | 1 | 265 | 38 | SMC |
| SM15T200A | SM15T200CA | 1500 | 10000 | 171 | 0.2 | 190 | 1 | 353 | 28 | SMC |
| SM15T220A | SM15T220CA | 1500 | 10000 | 188 | 0.2 | 209 | 1 | 388 | 26 | SMC |
| SM15T6V8AY(*) | SM15T6V8CAY(*) | 1500 | 10000 | 5.8 | 500 | 6.45 | 10 | 13.4 | 746 | SMC |
| SM15T7V5AY(*) | SM15T7V5CAY(*) | 1500 | 10000 | 6.4 | 250 | 7.13 | 10 | 14.5 | 690 | SMC |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SM15T10AY(*) | SM15T10CAY(*) | 1500 | 10000 | 8.55 | 10 | 9.5 | 1 | 18.6 | 538 | SMC |
| SM15T12AY(*) | SM15T12CAY(*) | 1500 | 10000 | 10.2 | 0.2 | 11.4 | 1 | 21.7 | 461 | SMC |
| SM15T15AY(*) | SM15T15CAY(*) | 1500 | 10000 | 12.8 | 0.2 | 14.3 | 1 | 27.2 | 368 | SMC |
| SM15T18AY(*) | SM15T18CAY(*) | 1500 | 10000 | 15.3 | 0.2 | 17.1 | 1 | 32.5 | 308 | SMC |
| SM15T22AY(*) | SM15T22CAY(*) | 1500 | 10000 | 18.8 | 0.2 | 20.9 | 1 | 39.3 | 254 | SMC |
| SM15T24AY(*) | SM15T24CAY(*) | 1500 | 10000 | 20.5 | 0.2 | 22.8 | 1 | 42.8 | 234 | SMC |
| SM15T27AY(*) | SM15T27CAY(*) | 1500 | 10000 | 23.1 | 0.2 | 25.7 | 1 | 48.3 | 207 | SMC |
| SM15T30AY(*) | SM15T30CAY(*) | 1500 | 10000 | 25.6 | 0.2 | 28.5 | 1 | 53.5 | 187 | SMC |
| SM15T33AY(*) | SM15T33CAY(*) | 1500 | 10000 | 28.2 | 0.2 | 31.4 | 1 | 59 | 169 | SMC |
| SM15T36AY(*) | SM15T36CAY(*) | 1500 | 10000 | 30.8 | 0.2 | 34.2 | 1 | 64.3 | 156 | SMC |
| SM15T39AY(*) | SM15T39CAY(*) | 1500 | 10000 | 33.3 | 0.2 | 37.1 | 1 | 69.7 | 143 | SMC |
| SM15T47AY(*) | SM15T47CAY(*) | 1500 | 10000 | 40.2 | 0.2 | 44.7 | 1 | 84 | 119 | SMC |
| SM15T56AY(*) | SM15T56CAY(*) | 1500 | 10000 | 48 | 0.2 | 53.3 | 1 | 100 | 100 | SMC |
| SM15T68AY(*) | SM15T68CAY(*) | 1500 | 10000 | 58.1 | 0.2 | 64.6 | 1 | 121 | 83 | SMC |
| SM15T75AY(*) | SM15T75CAY(*) | 1500 | 10000 | 64.1 | 0.2 | 71.3 | 1 | 134 | 75 | SMC |
| SM15T82AY(*) | SM15T82CAY(*) | 1500 | 10000 | 70 | 0.2 | 77.8 | 1 | 146 | 69 | SMC |
| SMCJ5.0A-TR | SMCJ5.0CA-TR | 1500 | 10000 | 5 | 500 | 6.4 | 10 | 13.4 | 746 | SMC |
| SMCJ6.0A-TR | SMCJ6.0CA-TR | 1500 | 10000 | 6 | 500 | 6.7 | 10 | 13.7 | 730 | SMC |
| SMCJ6.5A-TR | SMCJ6.5CA-TR | 1500 | 10000 | 6.5 | 250 | 7.2 | 10 | 14.5 | 690 | SMC |
| SMCJ8.5A-TR | SMCJ8.5CA-TR | 1500 | 10000 | 8.5 | 10 | 9.4 | 1 | 19.5 | 512 | SMC |
| SMCJ10A-TR | SMCJ10CA-TR | 1500 | 10000 | 10 | 0.2 | 11.1 | 1 | 21.7 | 461 | SMC |
| SMCJ12A-TR | SMCJ12CA-TR | 1500 | 10000 | 12 | 0.2 | 13.3 | 1 | 25.3 | 394 | SMC |
| SMCJ13A-TR | SMCJ13CA-TR | 1500 | 10000 | 13 | 0.2 | 14.4 | 1 | 27.2 | 368 | SMC |
| SMCJ15A-TR | SMCJ15CA-TR | 1500 | 10000 | 15 | 0.2 | 16.7 | 1 | 32.5 | 308 | SMC |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMCJ18A-TR | SMCJ18CA-TR | 1500 | 10000 | 18 | 0.2 | 20 | 1 | 39.3 | 254 | SMC |
| SMCJ20A-TR | SMCJ20CA-TR | 1500 | 10000 | 20 | 0.2 | 22.2 | 1 | 42.8 | 234 | SMC |
| SMCJ22A-TR | SMCJ22CA-TR | 1500 | 10000 | 22 | 0.2 | 24.4 | 1 | 48.3 | 207 | SMC |
| SMCJ24A-TR | SMCJ24CA-TR | 1500 | 10000 | 24 | 0.2 | 26.7 | 1 | 50 | 200 | SMC |
| SMCJ26A-TR | SMCJ26CA-TR | 1500 | 10000 | 26 | 0.2 | 28.9 | 1 | 53.5 | 187 | SMC |
| SMCJ28A-TR | SMCJ28CA-TR | 1500 | 10000 | 28 | 0.2 | 31.1 | 1 | 59 | 169 | SMC |
| SMCJ30A-TR | SMCJ30CA-TR | 1500 | 10000 | 30 | 0.2 | 33.3 | 1 | 64.3 | 156 | SMC |
| SMCJ33A-TR | SMCJ33CA-TR | 1500 | 10000 | 33 | 0.2 | 36.7 | 1 | 69.7 | 143 | SMC |
| SMCJ40A-TR | SMCJ40CA-TR | 1500 | 10000 | 40 | 0.2 | 44.4 | 1 | 84 | 119 | SMC |
| SMCJ48A-TR | SMCJ48CA-TR | 1500 | 10000 | 48 | 0.2 | 53.3 | 1 | 100 | 100 | SMC |
| SMCJ58A-TR | SMCJ58CA-TR | 1500 | 10000 | 58 | 0.2 | 64.4 | 1 | 121 | 83 | SMC |
| SMCJ70A-TR | SMCJ70CA-TR | 1500 | 10000 | 70 | 0.2 | 77.8 | 1 | 146 | 69 | SMC |
| SMCJ85A-TR | SMCJ85CA-TR | 1500 | 10000 | 85 | 0.2 | 94.4 | 1 | 178 | 56 | SMC |
| SMCJ130A-TR | SMCJ130CA-TR | 1500 | 10000 | 130 | 0.2 | 144 | 1 | 265 | 38 | SMC |
| SMCJ154A-TR | SMCJ154CA-TR | 1500 | 10000 | 154 | 0.2 | 171 | 1 | 317 | 31.5 | SMC |
| SMCJ170A-TR | SMCJ170CA-TR | 1500 | 10000 | 170 | 0.2 | 189 | 1 | 353 | 28 | SMC |
| SMCJ188A-TR | SMCJ188CA-TR | 1500 | 10000 | 188 | 0.2 | 209 | 1 | 388 | 26 | SMC |
| SM5908 | - | 1500 | - | 5 | 300 | 6 | 1 | 8.5 | 120 | SMC |
| 1N5908 | - | 1500 | - | 5 | 300 | - | 1 | 8.5 | 120 | DO-201 |
| SMC30J5.0A | SMC30J5.0CA | 3000 | 28000 | 5 | 500 | 6.4 | 10 | 9.2 | 327 | SMC |
| SMC30J6.0A | SMC30J6.0CA | 3000 | 28000 | 6 | 500 | 6.7 | 10 | 10.3 | 291 | SMC |
| SMC30J6.5A | SMC30J6.5CA | 3000 | 28000 | 6.5 | 250 | 7.2 | 10 | 11.2 | 268 | SMC |
| SMC30J8.5A | SMC30J8.5CA | 3000 | 28000 | 8.5 | 10 | 9.4 | 1 | 14.4 | 208 | SMC |
| SMC30J10A | SMC30J10CA | 3000 | 28000 | 10 | 0.2 | 11.1 | 1 | 17 | 176 | SMC |

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SMC30J12A | SMC30J12CA | 3000 | 28000 | 12 | 0.2 | 13.3 | 1 | 19.9 | 151 | SMC |
| SMC30J13A | SMC30J13CA | 3000 | 28000 | 13 | 0.2 | 14.4 | 1 | 21.5 | 140 | SMC |
| SMC30J15A | SMC30J15CA | 3000 | 28000 | 15 | 0.2 | 16.7 | 1 | 24.4 | 123 | SMC |
| SMC30J16A | SMC30J16CA | 3000 | 28000 | 16 | 0.2 | 17.8 | 1 | 26 | 115 | SMC |
| SMC30J18A | SMC30J18CA | 3000 | 28000 | 18 | 0.2 | 20 | 1 | 29.2 | 103 | SMC |
| SMC30J20A | SMC30J20CA | 3000 | 28000 | 20 | 0.2 | 22.2 | 1 | 32.4 | 93 | SMC |
| SMC30J22A | SMC30J22CA | 3000 | 28000 | 22 | 0.2 | 24.4 | 1 | 35.5 | 85 | SMC |
| SMC30J24A | SMC30J24CA | 3000 | 28000 | 24 | 0.2 | 26.7 | 1 | 38.9 | 77 | SMC |
| SMC30J26A | SMC30J26CA | 3000 | 28000 | 26 | 0.2 | 28.9 | 1 | 42.1 | 71 | SMC |
| SMC30J28A | SMC30J28CA | 3000 | 28000 | 28 | 0.2 | 31.1 | 1 | 45.4 | 66 | SMC |
| SMC30J30A | SMC30J30CA | 3000 | 28000 | 30 | 0.2 | 33.3 | 1 | 48.4 | 62 | SMC |
| SMC30J33A | SMC30J33CA | 3000 | 28000 | 33 | 0.2 | 36.7 | 1 | 53.3 | 56 | SMC |
| SMC30J36A | SMC30J36CA | 3000 | 28000 | 36 | 0.2 | 40 | 1 | 58.1 | 48.41 | SMC |
| SMC30J40A | SMC30J40CA | 3000 | 28000 | 40 | 0.2 | 44.4 | 1 | 64.5 | 43.5 | SMC |
| SMC30J48A | SMC30J48CA | 3000 | 28000 | 48 | 0.2 | 53.2 | 1 | 76.6 | 38 | SMC |
| SM30T6.8AY(*) | SM30T6.8CAY(*) | 3000 | 20000 | 5 | 500 | 6.45 | 10 | 13.4 | 1649 | SMC |
| SM30T7.5AY(*) | SM30T7.5CAY(*) | 3000 | 20000 | 6.5 | 250 | 7.13 | 10 | 14.5 | 1604 | SMC |
| SM30T10AY(*) | SM30T10CAY(*) | 3000 | 20000 | 8.5 | 10 | 9.5 | 1 | 19.5 | 1387 | SMC |
| SM30T12AY(*) | SM30T12CAY(*) | 3000 | 20000 | 10 | 0.2 | 11.4 | 1 | 21.7 | 1170 | SMC |
| SM30T15AY(*) | SM30T15CAY(*) | 3000 | 20000 | 13 | 0.2 | 14.3 | 1 | 27.2 | 993 | SMC |
| SM30T18AY(*) | SM30T18CAY(*) | 3000 | 20000 | 15 | 0.2 | 16.7 | 1 | 32.5 | 926 | SMC |
| SM30T19AY(*) | SM30T19CAY(*) | 3000 | 20000 | 16 | 0.2 | 17.8 | 1 | 34.4 | 868 | SMC |
| SM30T21AY(*) | SM30T21CAY(*) | 3000 | 20000 | 18 | 0.2 | 20 | 1 | 39.3 | 800 | SMC |
| SM30T23AY(*) | SM30T23CAY(*) | 3000 | 20000 | 20 | 0.2 | 22.2 | 1 | 42.8 | 747 | SMC |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| SM30T26AY(*) | SM30T26CAY(*) | 3000 | 20000 | 22 | 0.2 | 24.4 | 1 | 48.3 | 701 | SMC |
| SM30T28AY(*) | SM30T28CAY(*) | 3000 | 20000 | 24 | 0.2 | 26.7 | 1 | 50 | 660 | SMC |
| SM30T30AY(*) | SM30T30CAY(*) | 3000 | 20000 | 26 | 0.2 | 28.9 | 1 | 53.5 | 626 | SMC |
| SM30T33AY(*) | SM30T33CAY(*) | 3000 | 20000 | 28 | 0.2 | 31.1 | 1 | 59 | 596 | SMC |
| SM30T35AY(*) | SM30T35CAY(*) | 3000 | 20000 | 30 | 0.2 | 33.3 | 1 | 64.3 | 569 | SMC |
| SM30T39AY(*) | SM30T39CAY(*) | 3000 | 20000 | 33 | 0.2 | 36.7 | 1 | 69.7 | 526 | SMC |
| SM30T42AY(*) | SM30T42CAY(*) | 3000 | 20000 | 36 | 0.2 | 40 | 1 | 76 | 503 | SMC |
| SM30T47AY(*) | SM30T47CAY(*) | 3000 | 20000 | 40 | 0.2 | 44.4 | 1 | 84 | 469 | SMC |
| SM30T56AY(*) | SM30T56CAY(*) | 3000 | 20000 | 48 | 0.2 | 53.2 | 1 | 100 | 409 | SMC |
| BZW50-10 | BZW50-10B | 5000 | 60000 | 10 | 5 | 11.1 | 1 | 23.4 | 2564 | R6 |
| BZW50-12 | BZW50-12B | 5000 | 60000 | 12 | 5 | 13.3 | 1 | 28 | 2143 | R6 |
| BZW50-15 | BZW50-15B | 5000 | 60000 | 15 | 5 | 16.6 | 1 | 35 | 1714 | R6 |
| BZW50-18 | BZW50-18B | 5000 | 60000 | 18 | 5 | 20 | 1 | 41.5 | 1446 | R6 |
| BZW50-22 | BZW50-22B | 5000 | 60000 | 22 | 5 | 24.4 | 1 | 51 | 1177 | R6 |
| BZW50-27 | BZW50-27B | 5000 | 60000 | 27 | 5 | 30 | 1 | 62 | 968 | R6 |
| BZW50-33 | BZW50-33B | 5000 | 60000 | 33 | 5 | 36.6 | 1 | 76 | 789 | R6 |
| BZW50-39 | BZW50-39B | 5000 | 60000 | 39 | 5 | 43.3 | 1 | 90 | 667 | R6 |
| BZW50-47 | BZW50-47B | 5000 | 60000 | 47 | 5 | 52 | 1 | 108 | 556 | R6 |
| BZW50-56 | BZW50-56B | 5000 | 60000 | 56 | 5 | 62.2 | 1 | 129 | 465 | R6 |
| BZW50-68 | BZW50-68B | 5000 | 60000 | 68 | 5 | 75.6 | 1 | 157 | 382 | R6 |
| BZW50-82 | BZW50-82B | 5000 | 60000 | 82 | 5 | 91 | 1 | 189 | 317 | R6 |
| BZW50-100 | BZW50-100B | 5000 | 60000 | 100 | 5 | 111 | 1 | 228 | 263 | R6 |
| BZW50-120 | BZW50-120B | 5000 | 60000 | 120 | 5 | 133 | 1 | 274 | 219 | R6 |
| BZW50-150 | BZW50-150B | 5000 | 60000 | 150 | 5 | 166 | 1 | 343 | 175 | R6 |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|--------------------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| BZW50-180 | BZW50-180B | 5000 | 60000 | 180 | 5 | 200 | 1 | 410 | 146 | R6 |
| LDP01-26AY | - | 5000 | 60000 | 22 | 1 | 24.4 | 1 | 42 | 1400 | D ² PAK |
| LDP01-28AY | - | 5000 | 60000 | 24 | 1 | 26.7 | 1 | 45 | 1250 | D ² PAK |
| LDP01-30AY | - | 5000 | 60000 | 27 | 1 | 28.9 | 1 | 49 | 1400 | D ² PAK |
| LDP01-33AY | - | 5000 | 60000 | 28 | 1 | 31.1 | 1 | 56 | 1250 | D ² PAK |
| LDP01-35AY | - | 5000 | 60000 | 30 | 1 | 33.3 | 1 | 60 | 1150 | D ² PAK |
| LDP01-39AY | - | 5000 | 60000 | 33 | 1 | 36.7 | 1 | 66 | 1050 | D ² PAK |
| LDP01-42AY | - | 5000 | 60000 | 36 | 1 | 40 | 1 | 71 | 1000 | D ² PAK |
| LDP01-47AY | - | 5000 | 60000 | 40 | 1 | 44.4 | 1 | 76.5 | 950 | D ² PAK |
| LDP01-50AY | - | 5000 | 60000 | 43 | 1 | 47.8 | 1 | 81 | 900 | D ² PAK |
| LDP01-56AY | - | 5000 | 60000 | 48 | 1 | 53.3 | 1 | 90 | 770 | D ² PAK |
| LDP01-68AY | - | 5000 | 60000 | 58 | 1 | 64.4 | 1 | 110 | 620 | D ² PAK |
| LDP01-82AY | - | 5000 | 60000 | 70 | 1 | 77.8 | 1 | 135 | 550 | D ² PAK |
| LDP24A | - | - | - | 24 | 50 | 25 | 1 | - | - | R6 |
| - | LDP35CA | - | - | 35 | 5 | 36 | 1 | - | - | R6 |
| STRVS118X02C | - | - | - | 85 | 0.2 | 95 | 1 | 118 | 2 | SMC |
| STRVS142X02F | - | - | - | 102 | 1 | 114 | 1 | 142 | 2 | DO-201 |
| STRVS185X02E | - | - | - | 128 | 0.2 | 143 | 1 | 185 | 2 | DO-15 |
| STRVS182X02F | - | - | - | 128 | 1 | 143 | 1 | 182 | 2 | DO-201 |
| STRVS185X02B | - | - | - | 128 | 0.2 | 143 | 1 | 185 | 2 | SMB |
| STRVS225X02E | - | - | - | 154 | 0.5 | 171 | 1 | 225 | 2 | DO-15 |
| STRVS222X02F | - | - | - | 154 | 1 | 171 | 1 | 222 | 2 | DO-201 |
| STRVS241X02E | - | - | - | 171 | 0.5 | 190 | 1 | 241 | 2 | DO-15 |
| STRVS252X02F | - | - | - | 171 | 1 | 190 | 1 | 252 | 2 | DO-201 |

Note: (*) Automotive-grade (AEC-Q101 qualified)

| Part number Unidirectional | Part number Bidirectional | Peak pulse power (PPP) 10/1000 μ s 25 °C | Peak pulse current PPP 8/20 μ s | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} @ 25 °C | Breakdown voltage V_{BR} @ I_R | I_R | Clamping voltage V_{CL} @ | IPP 8/20 μ s | Package |
|-------------------------------|------------------------------|--|--|-------------------------------|--|---------------------------------------|-------|--------------------------------|------------------|---------|
| | | (W) | (W) | (V) | max (μ A) | Min (V) | (mA) | (V) | (A) | |
| STRVS248X02C | - | - | - | 171 | 0.5 | 190 | 1 | 248 | 2 | SMC |
| STRVS280X02F | - | - | - | 188 | 1 | 209 | 1 | 280 | 2 | D0-201 |

ITU-T K2x & GR-1089 Protection

| Part number | Directionality | Peak pulse power (IPP) 10/1000 μ s GR-1089 | Peak pulse current (IPP) 5/310 μ s ITU-T K20/21 | Peak pulse current (IPP) 2/10 μ s GR-1089 | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakover voltage V_{BO} | Capacitance @ $V_R = 2$ V | Holding current (I_H) | Package |
|-------------|----------------|--|---|---|-------------------------------|--|-------------------------------|------------------------------|------------------------------|---------|
| | | (A) | (A) | (A) | (V) | Max (μ A) | Max (V) | Typ (pF) | Min (mA) | |
| SMP30-62 | Bidirectional | 30 | 40 | 100 | 62 | 5 | 82 | 40 | 150 | SMA |
| SMP30-68 | Bidirectional | 30 | 40 | 100 | 68 | 5 | 90 | 40 | 150 | SMA |
| SMP30-100 | Bidirectional | 30 | 40 | 100 | 100 | 5 | 133 | 35 | 150 | SMA |
| SMP30-120 | Bidirectional | 30 | 40 | 100 | 120 | 5 | 160 | 30 | 150 | SMA |
| SMP30-130 | Bidirectional | 30 | 40 | 100 | 130 | 5 | 173 | 30 | 150 | SMA |
| SMP30-180 | Bidirectional | 30 | 40 | 100 | 180 | 5 | 240 | 25 | 150 | SMA |
| SMP30-200 | Bidirectional | 30 | 40 | 100 | 200 | 5 | 267 | 25 | 150 | SMA |
| SMP30-220 | Bidirectional | 30 | 40 | 100 | 220 | 5 | 293 | 20 | 150 | SMA |
| SMP30-240 | Bidirectional | 30 | 40 | 100 | 240 | 5 | 320 | 20 | 150 | SMA |
| SMP30-270 | Bidirectional | 30 | 40 | 100 | 270 | 5 | 360 | 20 | 150 | SMA |
| TPA62 | Bidirectional | 50 | 65 | 100 | 62 | 5 | 82 | 40 | 150 | DO-15 |
| TPA100 | Bidirectional | 50 | 65 | 100 | 100 | 5 | 133 | 40 | 150 | DO-15 |
| TPA120 | Bidirectional | 50 | 65 | 100 | 120 | 5 | 160 | 35 | 150 | DO-15 |
| TPA130 | Bidirectional | 50 | 65 | 100 | 130 | 5 | 173 | 30 | 150 | DO-15 |
| TPA180 | Bidirectional | 50 | 65 | 100 | 180 | 5 | 240 | 30 | 150 | DO-15 |
| TPA200 | Bidirectional | 50 | 65 | 100 | 200 | 5 | 267 | 25 | 150 | DO-15 |
| TPA220 | Bidirectional | 50 | 65 | 100 | 220 | 5 | 293 | 25 | 150 | DO-15 |
| TPA240 | Bidirectional | 50 | 65 | 100 | 240 | 5 | 320 | 25 | 150 | DO-15 |
| TPA270 | Bidirectional | 50 | 65 | 100 | 270 | 5 | 360 | 25 | 150 | DO-15 |
| SMTPA62 | Bidirectional | 50 | 65 | 100 | 62 | 5 | 82 | 40 | 150 | SMB |
| SMTPA68 | Bidirectional | 50 | 65 | 100 | 68 | 5 | 90 | 40 | 150 | SMB |
| SMTPA100 | Bidirectional | 50 | 65 | 100 | 100 | 5 | 133 | 35 | 150 | SMB |

| Part number | Directionality | Peak pulse power (IPP) 10/1000 μ s GR-1089 | Peak pulse current (IPP) 5/310 μ s ITU-T K20/21 | Peak pulse current (IPP) 2/10 μ s GR-1089 | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakover voltage V_{BO} | Capacitance @ $V_R = 2$ V | Holding current (I_H) | Package |
|-------------|----------------|--|---|---|-------------------------------|--|-------------------------------|------------------------------|------------------------------|---------|
| | | (A) | (A) | (A) | (V) | Max (μ A) | Max (V) | Typ (pF) | Min (mA) | |
| SMTPA120 | Bidirectional | 50 | 65 | 100 | 120 | 5 | 160 | 30 | 150 | SMB |
| SMTPA130 | Bidirectional | 50 | 65 | 100 | 130 | 5 | 173 | 30 | 150 | SMB |
| SMTPA180 | Bidirectional | 50 | 65 | 100 | 180 | 5 | 240 | 25 | 150 | SMB |
| SMTPA200 | Bidirectional | 50 | 65 | 100 | 200 | 5 | 267 | 25 | 150 | SMB |
| SMTPA220 | Bidirectional | 50 | 65 | 100 | 220 | 5 | 293 | 25 | 150 | SMB |
| SMTPA240 | Bidirectional | 50 | 65 | 100 | 240 | 5 | 320 | 25 | 150 | SMB |
| SMTPA270 | Bidirectional | 50 | 65 | 100 | 270 | 5 | 360 | 25 | 150 | SMB |
| SMTPA320 | Bidirectional | 50 | 65 | 100 | 320 | 5 | 400 | 25 | 150 | SMB |
| SMP50-62 | Bidirectional | 50 | 65 | 100 | 62 | 5 | 82 | 40 | 150 | SMA |
| SMP50-68 | Bidirectional | 50 | 65 | 100 | 68 | 5 | 90 | 40 | 150 | SMA |
| SMP50-100 | Bidirectional | 50 | 65 | 100 | 100 | 5 | 133 | 35 | 150 | SMA |
| SMP50-120 | Bidirectional | 50 | 65 | 100 | 120 | 5 | 160 | 30 | 150 | SMA |
| SMP50-130 | Bidirectional | 50 | 65 | 100 | 130 | 5 | 173 | 30 | 150 | SMA |
| SMP50-180 | Bidirectional | 50 | 65 | 100 | 180 | 5 | 240 | 25 | 150 | SMA |
| SMP50-200 | Bidirectional | 50 | 65 | 100 | 200 | 5 | 267 | 25 | 150 | SMA |
| SMP50-220 | Bidirectional | 50 | 65 | 100 | 220 | 5 | 293 | 25 | 150 | SMA |
| SMP50-240 | Bidirectional | 50 | 100 | 65 | 240 | 5 | 320 | 25 | 150 | SMA |
| SMP50-270 | Bidirectional | 50 | 100 | 65 | 270 | 5 | 360 | 25 | 150 | SMA |
| SMP50-320 | Bidirectional | 50 | 100 | 65 | 320 | 5 | 400 | 25 | 150 | SMA |
| SMP75-8 | Bidirectional | 75 | 120 | 250 | 8 | 5 | 15 | 75 | 50 | SMB |
| SMP80MC-120 | Bidirectional | 80 | 120 | 250 | 120 | 5 | 155 | 25 | 150 | SMB |
| SMP80MC-140 | Bidirectional | 80 | 120 | 250 | 140 | 5 | 180 | 25 | 150 | SMB |
| SMP80MC-160 | Bidirectional | 80 | 120 | 250 | 160 | 5 | 205 | 25 | 150 | SMB |
| SMP80MC-200 | Bidirectional | 80 | 120 | 250 | 200 | 5 | 255 | 25 | 150 | SMB |

| Part number | Directionality | Peak pulse power (IPP) 10/1000 μ s GR-1089 | Peak pulse current (IPP) 5/310 μ s ITU-T K20/21 | Peak pulse current (IPP) 2/10 μ s GR-1089 | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakover voltage V_{BO} | Capacitance @ $V_R = 2$ V | Holding current (I_H) | Package |
|--------------|----------------|--|---|---|-------------------------------|--|-------------------------------|------------------------------|------------------------------|---------|
| | | (A) | (A) | (A) | (V) | Max (μ A) | Max (V) | Typ (pF) | Min (mA) | |
| SMP80MC-230 | Bidirectional | 80 | 120 | 250 | 230 | 5 | 295 | 25 | 150 | SMB |
| SMP80MC-270 | Bidirectional | 80 | 120 | 250 | 270 | 5 | 345 | 25 | 150 | SMB |
| SMP80MC-320 | Bidirectional | 80 | 120 | 250 | 320 | 5 | 400 | 25 | 150 | SMB |
| SMP100LC-8 | Bidirectional | 100 | 150 | 500 | 8 | 5 | 25 | 75 | 50 (typ) | SMB |
| SMP100LC-35 | Bidirectional | 100 | 150 | 500 | 35 | 5 | 55 | 55 | 150 | SMB |
| SMP100LC-65 | Bidirectional | 100 | 150 | 500 | 65 | 5 | 85 | 90 | 150 | SMB |
| SMP100LC-90 | Bidirectional | 100 | 150 | 500 | 90 | 5 | 125 | 80 | 150 | SMB |
| SMP100LC-120 | Bidirectional | 100 | 150 | 500 | 120 | 5 | 160 | 75 | 150 | SMB |
| SMP100LC-140 | Bidirectional | 100 | 150 | 500 | 140 | 5 | 190 | 65 | 150 | SMB |
| SMP100LC-160 | Bidirectional | 100 | 150 | 500 | 160 | 5 | 205 | 65 | 150 | SMB |
| SMP100LC-200 | Bidirectional | 100 | 150 | 500 | 200 | 5 | 255 | 60 | 150 | SMB |
| SMP100LC-230 | Bidirectional | 100 | 150 | 500 | 230 | 5 | 295 | 60 | 150 | SMB |
| SMP100LC-25 | Bidirectional | 100 | 150 | 500 | 25 | 5 | 40 | 65 | 150 | SMB |
| SMP100LC-270 | Bidirectional | 100 | 150 | 500 | 270 | 5 | 345 | 60 | 150 | SMB |
| SMP100LC-320 | Bidirectional | 100 | 150 | 500 | 320 | 5 | 400 | 50 | 150 | SMB |
| SMP100LC-360 | Bidirectional | 100 | 150 | 500 | 360 | 5 | 460 | 50 | 150 | SMB |
| SMP100LC-400 | Bidirectional | 100 | 150 | 500 | 400 | 5 | 540 | 45 | 150 | SMB |
| SMP100MC-140 | Bidirectional | 100 | 150 | 500 | 140 | 5 | 180 | 60 | 150 | SMB |
| SMP100MC-160 | Bidirectional | 100 | 150 | 500 | 160 | 5 | 205 | 50 | 150 | SMB |
| SMP100MC-200 | Bidirectional | 100 | 150 | 500 | 200 | 5 | 255 | 45 | 150 | SMB |
| SMP100MC-230 | Bidirectional | 100 | 150 | 500 | 230 | 5 | 295 | 40 | 150 | SMB |
| SMP100MC-270 | Bidirectional | 100 | 150 | 500 | 270 | 5 | 345 | 40 | 150 | SMB |
| SMP100MC-320 | Bidirectional | 100 | 150 | 500 | 320 | 5 | 400 | 35 | 150 | SMB |
| SMP100MC-360 | Bidirectional | 100 | 150 | 500 | 360 | 5 | 460 | 35 | 150 | SMB |

| Part number | Directionality | Peak pulse power (IPP) 10/1000 μ s GR-1089 | Peak pulse current (IPP) 5/310 μ s ITU-T K20/21 | Peak pulse current (IPP) 2/10 μ s GR-1089 | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakover voltage V_{BO} | Capacitance @ $V_R = 2$ V | Holding current (I_H) | Package |
|--------------|----------------|--|---|---|-------------------------------|--|-------------------------------|------------------------------|------------------------------|----------|
| | | (A) | (A) | (A) | (V) | Max (μ A) | Max (V) | Typ (pF) | Min (mA) | |
| SMP100MC-400 | Bidirectional | 100 | 150 | 500 | 400 | 5 | 540 | 30 | 150 | SMB |
| SMP0720SCMC | Bidirectional | 100 | 150 | 500 | 65 | 5 | 88 | 75 | 150 | SMB |
| SMP0900SCMC | Bidirectional | 100 | 150 | 500 | 75 | 5 | 98 | 75 | 150 | SMB |
| SMP1100SCMC | Bidirectional | 100 | 150 | 500 | 90 | 5 | 130 | 70 | 150 | SMB |
| SMP1300SCMC | Bidirectional | 100 | 150 | 500 | 120 | 5 | 160 | 70 | 150 | SMB |
| SMP1500SCMC | Bidirectional | 100 | 150 | 500 | 140 | 5 | 180 | 70 | 150 | SMB |
| SMP1800SCMC | Bidirectional | 100 | 150 | 500 | 170 | 5 | 220 | 65 | 150 | SMB |
| SMP2100SCMC | Bidirectional | 100 | 150 | 500 | 180 | 5 | 240 | 40 | 150 | SMB |
| SMP2300SCMC | Bidirectional | 100 | 150 | 500 | 190 | 5 | 260 | 40 | 150 | SMB |
| SMP2600SCMC | Bidirectional | 100 | 150 | 500 | 220 | 5 | 300 | 35 | 150 | SMB |
| SMP3100SCMC | Bidirectional | 100 | 150 | 500 | 275 | 5 | 350 | 35 | 150 | SMB |
| ETP01-1621RL | Bidirectional | - | 37.5 | 100 | 16 | 1 | 25 | 13 | 30 | SO-8 |
| ETP01-2821RL | Bidirectional | - | 37.5 | 100 | 28 | 1 | 36 | 13 | 30 | SO-8 |
| THBT15011D | Bidirectional | 30 | 40 | - | 135 | 5 | 150 | 75 | 150 | SO-8 |
| THBT20011D | Bidirectional | 30 | 40 | - | 180 | 5 | 180 | 75 | 150 | SO-8 |
| TPI12011N | Bidirectional | 30 | 40 | 90 | 105 | 10 | 120 | 30 | 150 | SO-8 |
| TPI8011N | Bidirectional | 30 | 40 | 90 | 70 | 10 | 80 | 30 | 150 | SO-8 |
| TPN3021 | Bidirectional | 30 | 50 | 200 | 28 | 4 | 38 | 16 | 30 | SO-8 |
| DSL01-008SC5 | Bidirectional | 100 | 150 | 500 | 8 | 0.5 | 20 | 12 | - | SOT23-5L |
| DSL01-010SC5 | Bidirectional | 100 | 150 | 500 | 10.5 | 0.5 | 30 | 10 | - | SOT23-5L |
| DSL01-016SC5 | Bidirectional | 100 | 150 | 500 | 16 | 0.5 | 40 | 8.5 | - | SOT23-5L |
| DSL01-024SC5 | Bidirectional | 100 | 150 | 500 | 24 | 0.5 | 50 | 7 | - | SOT23-5L |
| DSL02-005SC5 | Bidirectional | 100 | 150 | 500 | 5 | 0.5 | - | 3 | - | SOT23-5L |
| DSL02-008SC5 | Bidirectional | 100 | 150 | 500 | 8 | 0.5 | - | 3 | - | SOT23-5L |

| Part number | Directionality | Peak pulse power (IPP) 10/1000 μ s GR-1089 | Peak pulse current (IPP) 5/310 μ s ITU-T K20/Z1 | Peak pulse current (IPP) 2/10 μ s GR-1089 | Stand-off voltage V_{RM} | Leakage current I_{RM} @ V_{RM} | Breakover voltage V_{BO} | Capacitance @ $V_R = 2$ V | Holding current (I_H) | Package |
|---------------|----------------|--|---|---|-------------------------------|--|-------------------------------|------------------------------|------------------------------|---------------|
| | | (A) | (A) | (A) | (V) | Max (μ A) | Max (V) | Typ (pF) | Min (mA) | |
| DSL02-010SC5 | Bidirectional | 100 | 150 | 500 | 10 | 0.5 | - | 3 | - | SOT23-5L |
| DSL03-010SC6 | Bidirectional | 100 | 150 | 500 | 10 | 0.2 | - | 0.5 | - | SOT23-6L |
| DSL03-022SC6 | Bidirectional | 100 | 150 | 500 | 24 | 0.2 | - | 0.5 | - | SOT23-6L |
| DSL03-024SC6 | Bidirectional | 100 | 150 | 500 | 24 | 0.2 | - | 0.5 | - | SOT23-6L |
| DSL04-005SC6 | Bidirectional | 100 | 150 | 500 | 5 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-008SC6 | Bidirectional | 100 | 150 | 500 | 8 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-010SC6 | Bidirectional | 100 | 150 | 500 | 10 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-012SC6 | Bidirectional | 100 | 150 | 500 | 12 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-016SC6 | Bidirectional | 100 | 150 | 500 | 16 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-018SC6 | Bidirectional | 100 | 150 | 500 | 18 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-020SC6 | Bidirectional | 100 | 150 | 500 | 20 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-022SC6 | Bidirectional | 100 | 150 | 500 | 22 | 0.2 | - | 1 | - | SOT23-6L |
| DSL04-024SC6 | Bidirectional | 100 | 150 | 500 | 24 | 0.2 | - | 1 | - | SOT23-6L |
| DSL05-024SC6 | Bidirectional | 100 | 150 | 500 | 24 | 0.05 | 31 | 0.95 | 50 | SOT23-6L |
| LCDP1521SRL | Unidirectional | 2 x 25 | 2 x 40 | 2 x 90 | 175 | 5 | - | - | 150 | SO-8 |
| LCP1521SRL | Unidirectional | 30 | 40 | 150 | 150 | 5 | - | - | 150 | SO-8 |
| LCP1531RL | Unidirectional | - | 37.5 | - | 150 | 5 | - | - | 150 | SO-8 |
| LCP03-1501RL | Bidirectional | 30 | 60 | 130 | -53/83 | 5 | - | - | 150 | SO-8 |
| TPP25011 | Unidirectional | 30 | 40 | 75 | 60 | 6 | 340 | 90 | 180 | SO-8 |
| LCP02-150B1RL | Bidirectional | 30 | 45 | 100 | -120/+120 | 5 | - | - | 150 | SO-8 wide |
| LCP12-150B1RL | Bidirectional | 45 | 75 | 150 | -120/+120 | 5 | - | - | 150 | SO-8 wide |
| LCP22-150B1RL | Bidirectional | 45 | 75 | 150 | -120/+120 | 6 | - | - | 150 | SO-8 wide |
| LCP3121RL | Bidirectional | 100 | 150 | 200 | -100/+100 | 0.5 | - | - | 100 | SO-8 |
| LCP154DJF | Unidirectional | 100 | 150 | 500 | -175 | 5 | - | - | 150 | PowerFLAT 5x6 |

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