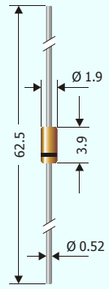
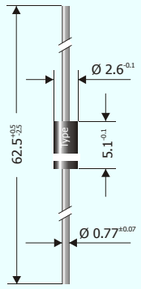
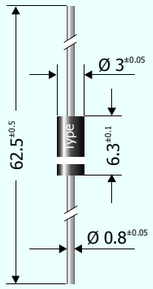
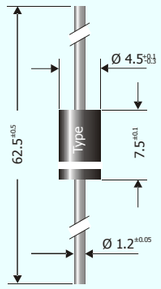
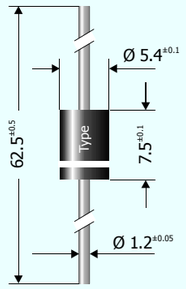
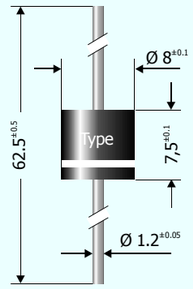
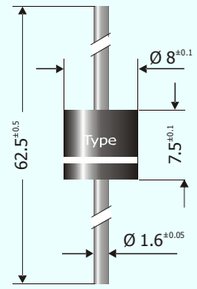
| Case | DO-35 | DO-41 Plastic | | | DO-15 | | | | ~ DO-201 | | | | Ø 5.4 x 7.5 | | Ø 8 x 7.5 | | | | | Case |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diodes / Rectifiers — Package / Voltage [V] |  |  | | |  | | | |  | | | |  | |  | |  | | | Package / Voltage [V] — Diodes / Rectifiers |
| **Current** | **150 mA / 250 mA** | **1 A** | | | **1 A** | **1.5 A** | **2 A** | **3 A** | **2 A** | **3 A** | | **5 A** | **5/8 A** | **12 A** | **5/6 A** | **10...15 A** | **15/20 A** | **25 A** | **30 A** | **Current** |
| **Standard Recovery** | | | | | | | | | | | | | | | | | | | | **Standard Recovery** |
| 50 | | 1N4001 | | BYW27-50 | | 1N5391 | | 1N5400K | | 1N5400 | | | BY550-50 | | P600A | P1000A | PX1500A | | | 50 |
| 100 | | 1N4002 | | BYW27-100 | | 1N5392 | | 1N5401K | | 1N5401 | | | BY550-100 | | P600B | P1000B | PX1500B | | | 100 |
| 200 | | 1N4003 | BY135 | BYW27-200 | | 1N5393 | 1N5059 | 1N5402K | | 1N5402 | BY251 | | BY550-200 | | P600D | P1000D | PX1500D | | | 200 |
| 400 | | 1N4004 | (150 V) | BYW27-400 | | 1N5395 | 1N5060 | 1N5404K | | 1N5404 | BY252 | | BY550-400 | | P600G | P1000G | PX1500G | | | 400 |
| 600 | | 1N4005 | BY134 | BYW27-600 | | 1N5397 | 1N5061 | 1N5406K | | 1N5406 | BY253 | | BY550-600 | | P600J | P1000J | PX1500J | | | 600 |
| 800 | | 1N4006 | | BYW27-800 | | 1N5398 | 1N5062 | 1N5407K | | 1N5407 | BY254 | | BY550-800 | | P600K | P1000K | PX1500K | | | 800 |
| 1000 | | 1N4007 | | BYW27-1000 | | 1N5399 | | 1N5408K | | 1N5408 | | | BY550-1000 | | P600M | P1000M | PX1500M | | | 1000 |
| 1300 | | 1N4007-13 | BY133 | | | | **On request:** with **Controlled Avalanche** Characteristic | | | | BY255 | | | | P600S | P1000S | | | | 1300 |
| 1600 | | EM513 | | | | | | | | | BY1600 | | | | (1200 V) | (1200 V) | | | | 1600 |
| 1800 | | EM516 | | | | | | | | | BY1800 | | | | | | | | | 1800 |
| 2000 | | EM518 | | | | | | | | | BY2000 | | | | | | | | | 2000 |
| **Fast Recovery** | | | | | | | | | | | | | | | | | | | | **Fast Recovery** |
| 50 | | 1N4933 | | | | | | | | | | | BY500-50 | | MR820 | | | | | 50 |
| 100 | | 1N4934 | | | | | | | BY296 | BY396 | | | BY500-100 | | MR821 | | | | | 100 |
| 200 | | 1N4935 | | | | | | | BY297 | BY397 | | | BY500-200 | | MR822 | | | | | 200 |
| 400 | | 1N4936 | BA157 | | | | | | BY298 | BY398 | | | BY500-400 | | MR824 | | | | | 400 |
| 600 | | 1N4937 | BA158 | | | | | | | | | | BY500-600 | | MR826 | | | | | 600 |
| 800 | | | | | | | | | BY299 | BY399 / RGP30K | | | BY500-800 | | MR828 | | | | | 800 |
| 1000 | | | BA159 | | | | | | | RGP30M | | | BY500-1000 | | (5 A) | | | | | 1000 |
| **Super-/Ultrafast Rec.** | | | | | | | | | | | | | | | | | | | | **Super-/Ultrafast Rec.** |
| 50 | 1N4150 * | | | UF4001 | | FE1A | | FE2A | | UF5400 | FE3A | | | | UF600A | FE6A | F1200A | FX2000A | | 50 |
| 100 | 1N4148 * | BAV19 * | | UF4002 | | FE1B | | FE2B | | UF5401 | FE3B | | | | UF600B | FE6B | F1200B | FX2000B | | 100 |
| 200 | * More types | BAV21 * | | UF4003 | | FE1D | | FE2D | | UF5402 | FE3D | | | | UF600D | FE6D | F1200D | FX2000D | | 200 |
| 400 | in this family | * More types | | UF4004 | | FE1F | | FE2F | | UF5404 | FE3F | | | | UF600G | FE6F | F1200G | FX2000G | | 400 |
| 600 | | in this family | | UF4005 | | (300 V) | | (300 V) | | UF5406 | (300 V) | | | | UF600J | (300 V) | (12 A) | | | 600 |
| 800 | | | | UF4006 | | FE1G | | FE2G | | UF5407 | FE3G | | | | UF600K | FE6G | | | | 800 |
| 1000 | | | | UF4007 | | (400 V) | | (400 V) | | UF5408 | (400 V) | | | | UF600M | (400 V) | | | | 1000 |
| **Schottky Barrier** | | | | | | | | | | | | | | | | | | | | **Schottky Barrier** |
| 20 | SD103C | | | | | SB120 / 1N5817 | | SB220 | | SB320 | 1N5820 | SB520 | SB820 | SB1220 | | | SB1520 | SBX2020 | SBX2520 | SBX3020 | 20 |
| 30 | SD103B | | | | | SB130 / 1N5818 | | SB230 | | SB330 | 1N5821 | SB530 | SB830 | SB1230 | | | SB1530 | SBX2030 | SBX2530 | SBX3030 | 30 |
| 40 | SD103A / SD101C | | | | | SB140 / 1N5819 | | SB240 | | SB340 | 1N5822 | SB540 | SB840 | SB1240 | | | SB1540 | SBX2040 | SBX2540 | SBX3040 | 40 |
| 50 | SD101B | | | | | SB150 | | SB250 | | SB350 | | SB550 | SB850 | SB1250 | | | (15 A) | | | | 50 |
| 60 | SD101A | | | | | SB160 | | SB260 | | SB360 | | SB560 | SB860 | SB1260 | | | | | | | 60 |
| 90 | | | | | | SB190 | | SB290 | | SB390 | | SB590 | SB890 | SB1290 | | | | | | | 90 |
| 100 | | | | | | SB1100 | | SB2100 | | SB3100 | | SB5100 | SB8100 | SB12100 | | | | | | | 100 |
| **Zener** | | | | | | | | | | | | | | | | | | | | **Zener** |
| **$P_{tot}$** | **500 mW** | **1.3 W** | **2 W** | | **3 W** | | | | **5 W** | | | | | | | | | | | **$P_{tot}$** |
| ...1 | | ZPY1 | ZY1 | | 3EZ1 | | | | | | | | | | | | | | | ...1 |
| ...5.6 | ZPD2.7...ZPD5.6 | ZPY5.6 | ZY5.6 | | - | | | | | | | | | | | | | | | ...5.6 |
| ...10 | ZPD6.2...ZPD10 | ZPY6.2...ZPY10 | ZPY6.2...ZPY10 | | 3EZ6.2...3EZ10 | | | | 1N5345B...1N5347B | | | | | | | | | | | ...10 |
| ...200 | ZPD11...ZPD75 | ZPY11...ZPY200 | ZPY11...ZPY200 | | 3EZ11...3EZ200 | | | | 1N5348B...1N5388B | | | | | | | | | | | ...200 |
| **TVS** | | | | | | | | | | | | | | | | | | | | **TVS** |
| **$P_{PPM}$** | | | **400 W** | | **600 W** | | | | | | | | **1500 W** | | **5000 W** | | | | | **$P_{PPM}$** |
| ...10 | **uni-directional** | | BZW04-5V8...-8V5 / P4KE6.8(A)...10(A) | | BZW06-5V8...-8V5 / P6KE6.8(A)...10(A) | | | | | | | | 1.5KE6.8(A)...1.5KE10(A) | | 5KP6.5(A)...5KP8.5(A) | | | | | ...10 |
| ...200 | | | BZW04-9V4...-171 / P4KE11(A)...200(A) | | BZW06-9V4...-171 / P6KE11(A)...200(A) | | | | | | | | 1.5KE11(A)...1.5KE200(A) | | 5KP9.0(A)...5KP110(A) | | | | | ...200 |
| ...520 | | | BZW04-188...-376 / P4KE220(A)...440(A) | | BZW06-188...-376 / P6KE220(A)...440(A) | | | | | | | | 1.5KE220(A)...1.5KE440(A) | | | | | | | ...520 |
| ...10 | **bi-directional** | | BZW04-5V8B...-8V5B / P4KE6.8C(A)...10C(A) | | BZW06-5V8B...-8V5B / P6KE6.8C(A)...10C(A) | | | | | | | | 1.5KE6.8C(A)...1.5KE10C(A) | | 5KP6.5C(A)...5KP8.5C(A) | | | | | ...10 |
| ...200 | | | BZW04-9V4B...-171B / P4KE11C(A)...200C(A) | | BZW06-9V4B...-171B / P6KE11C(A)...200C(A) | | | | | | | | 1.5KE11C(A)...1.5KE200C(A) | | 5KP9.0C(A)...5KP110C(A) | | | | | ...200 |
| ...520 | | | BZW04-188B...-376B / P4KE220C(A)...440C(A) | | BZW06-188B...-376B / P6KE220C(A)...520C(A) | | | | | | | | 1.5KE220C(A)...1.5KE440C(A) | | | | | | | ...520 |
| | **Nomenclature for TVS diodes: No suffix – ±10% tolerance of $V_{BR}$. Suffix "A" – ±5% tolerance of $V_{BR}$. Bidirectional version – suffix "B" or "C". BZW & 5KP series – nominal voltage is $V_{WM}$. "..KE" series – nominal voltage is $V_{BR}$.** | | | | | | | | | | | | | | | | | | | |