

DO-41 Zener Diodes (1.3 W)

Electrical Characteristics (At Ta=25°C, Unless Otherwise Specified)

| Type No. | V _{ZT} at I _{ZT} | | | r _{ZT} at I _{ZT} | I _{ZT} | r _{ZK} at I _{ZK} | I _{ZK} | Temp. Coeff. of Zener Voltage typ (%/°C) | I _R at V _R Ta 25°C max (μA) | V _R | I _{ZM} | I _{ZSM} | P _D | V _F @ I _F |
|-----------|------------------------------------|---------|---------|------------------------------------|-----------------|------------------------------------|-----------------|--|---|----------------|-----------------|------------------|----------------|---------------------------------|
| | min (V) | nom (V) | max (V) | max (Ohm) | (mA) | max (Ohm) | (mA) | | (V) | (mA) | (mA) | (W) | max (V) | (mA) |
| BZX85C2V7 | 2.5 | 2.9 | | 20 | 80 | 400 | 1 | -0.07 | 150 | 1 | 370 | 2874 | 1.3 | 1 200 |
| BZX85C3V0 | 2.8 | 3.2 | | 20 | 80 | 400 | 1 | -0.07 | 100 | 1 | 340 | 2604 | 1.3 | 1 200 |
| BZX85C3V3 | 3.1 | 3.5 | | 20 | 80 | 400 | 1 | -0.06 | 40 | 1 | 320 | 2381 | 1.3 | 1 200 |
| BZX85C3V6 | 3.4 | 3.8 | | 20 | 70 | 500 | 1 | -0.06 | 20 | 1 | 290 | 2193 | 1.3 | 1 200 |
| BZX85C3V9 | 3.7 | 4.1 | | 15 | 60 | 500 | 1 | -0.05 | 10 | 1 | 280 | 2033 | 1.3 | 1 200 |
| BZX85C4V3 | 4 | 4.6 | | 13 | 50 | 500 | 1 | -0.03 | 3 | 1 | 250 | 1812 | 1.3 | 1 200 |
| BZX85C4V7 | 4.4 | 5 | | 13 | 45 | 500 | 1 | -0.01 | 3 | 1 | 215 | 1667 | 1.3 | 1 200 |
| BZX85C5V1 | 4.8 | 5.4 | | 10 | 45 | 500 | 1 | +0.01 | 1 | 1.5 | 200 | 1543 | 1.3 | 1 200 |
| BZX85C5V6 | 5.2 | 6 | | 7 | 45 | 400 | 1 | +0.03 | 1 | 2 | 190 | 1389 | 1.3 | 1 200 |
| BZX85C6V2 | 5.8 | 6.6 | | 4 | 35 | 300 | 1 | +0.04 | 1 | 3 | 170 | 1263 | 1.3 | 1 200 |
| BZX85C6V8 | 6.4 | 7.2 | | 3.5 | 35 | 300 | 1 | +0.05 | 1 | 4 | 155 | 1157 | 1.3 | 1 200 |
| BZX85C7V5 | 7 | 7.9 | | 3 | 35 | 200 | 0.5 | +0.05 | 1 | 4.5 | 140 | 1055 | 1.3 | 1 200 |
| BZX85C8V2 | 7.7 | 8.7 | | 5 | 25 | 200 | 0.5 | +0.06 | 1 | 6.2 | 130 | 958 | 1.3 | 1 200 |
| BZX85C9V1 | 8.5 | 9.6 | | 5 | 25 | 200 | 0.5 | +0.06 | 1 | 6.8 | 120 | 868 | 1.3 | 1 200 |
| BZX85C10 | 9.4 | 10.6 | | 7.5 | 25 | 200 | 0.5 | +0.07 | 0.5 | 7 | 105 | 786 | 1.3 | 1 200 |
| BZX85C11 | 10.4 | 11.6 | | 8 | 20 | 300 | 0.5 | +0.07 | 0.5 | 8.2 | 97 | 718 | 1.3 | 1 200 |
| BZX85C12 | 11.4 | 12.7 | | 9 | 20 | 350 | 0.5 | +0.07 | 0.5 | 9.1 | 88 | 656 | 1.3 | 1 200 |
| BZX85C13 | 12.4 | 14.1 | | 10 | 20 | 400 | 0.5 | +0.07 | 0.5 | 10 | 79 | 591 | 1.3 | 1 200 |
| BZX85C15 | 13.8 | 15.6 | | 15 | 15 | 500 | 0.5 | +0.08 | 0.5 | 11 | 71 | 534 | 1.3 | 1 200 |
| BZX85C16 | 15.3 | 17.1 | | 15 | 15 | 500 | 0.5 | +0.08 | 0.5 | 12 | 66 | 487 | 1.3 | 1 200 |
| BZX85C18 | 16.8 | 19.1 | | 20 | 15 | 500 | 0.5 | +0.08 | 0.5 | 13 | 62 | 436 | 1.3 | 1 200 |
| BZX85C20 | 18.8 | 21.2 | | 24 | 10 | 600 | 0.5 | +0.08 | 0.5 | 15 | 56 | 393 | 1.3 | 1 200 |
| BZX85C22 | 20.8 | 23.3 | | 25 | 10 | 600 | 0.5 | +0.08 | 0.5 | 16 | 52 | 358 | 1.3 | 1 200 |
| BZX85C24 | 22.8 | 25.6 | | 25 | 10 | 600 | 0.5 | +0.08 | 0.5 | 18 | 47 | 326 | 1.3 | 1 200 |
| BZX85C27 | 25.1 | 28.9 | | 30 | 8 | 750 | 0.25 | +0.09 | 0.5 | 20 | 41 | 288 | 1.3 | 1 200 |
| BZX85C30 | 28 | 32 | | 30 | 8 | 1000 | 0.25 | +0.09 | 0.5 | 22 | 36 | 260 | 1.3 | 1 200 |
| BZX85C33 | 31 | 35 | | 35 | 8 | 1000 | 0.25 | +0.09 | 0.5 | 24 | 33 | 238 | 1.3 | 1 200 |
| BZX85C36 | 34 | 38 | | 40 | 8 | 1000 | 0.25 | +0.09 | 0.5 | 27 | 30 | 219 | 1.3 | 1 200 |
| BZX85C39 | 37 | 41 | | 50 | 6 | 1000 | 0.25 | +0.09 | 0.5 | 30 | 28 | 203 | 1.3 | 1 200 |
| BZX85C43 | 40 | 46 | | 50 | 6 | 1000 | 0.25 | +0.09 | 0.5 | 33 | 26 | 181 | 1.3 | 1 200 |
| BZX85C47 | 44 | 50 | | 90 | 4 | 1500 | 0.25 | +0.09 | 0.5 | 36 | 23 | 167 | 1.3 | 1 200 |