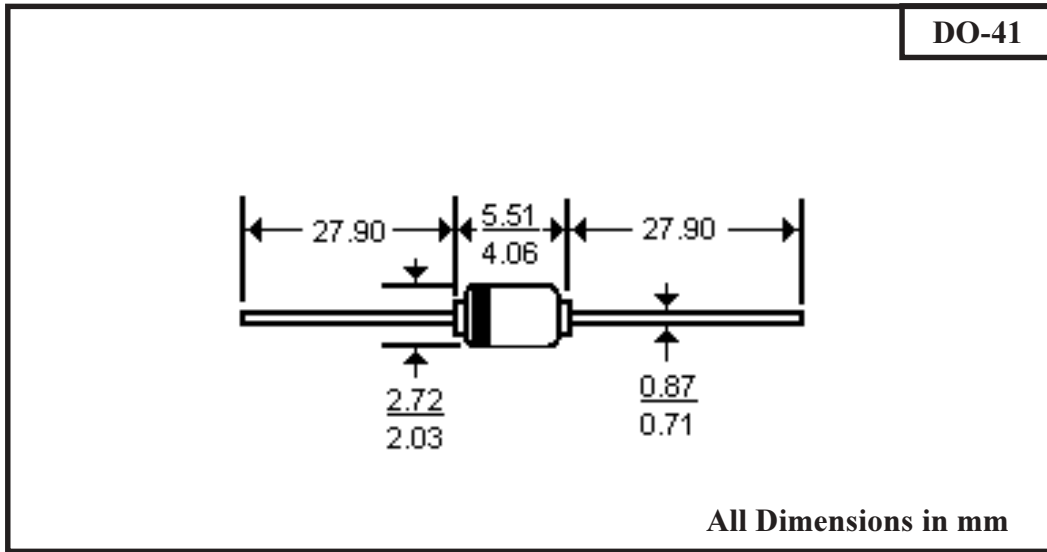


**1.3W DO-41 Zener Diode**



**Electrical Characteristics (Ta = 25°C)**

| Part Number | V <sub>ZT nom</sub><br>(V) | Tolerance<br>(± %) | r <sub>ZT</sub><br>(Ω) | @ | I <sub>ZT</sub><br>(mA) | IR<br>(μA) | @ | V <sub>R</sub><br>(V) | PD<br>(W) |
|-------------|----------------------------|--------------------|------------------------|---|-------------------------|------------|---|-----------------------|-----------|
| BZX85C2V7   | 2.7                        | 7.4                | 150.000                |   | 80.0                    | 150.000    |   | 1.0                   | 1.300     |
| BZX85C3V3   | 3.3                        | 6.0                | 40.000                 |   | 80.0                    | 40.000     |   | 1.0                   | 1.300     |
| BZX85C3V6   | 3.6                        | 5.5                | 20.000                 |   | 70.0                    | 20.000     |   | 1.0                   | 1.300     |
| BZX85C3V9   | 3.9                        | 5.1                | 10.000                 |   | 60.0                    | 10.000     |   | 1.0                   | 1.300     |
| BZX85C4V3   | 4.3                        | 6.9                | 3.000                  |   | 50.0                    | 3.000      |   | 1.0                   | 1.300     |
| BZX85C4V7   | 4.7                        | 6.3                | 3.000                  |   | 45.0                    | 3.000      |   | 1.0                   | 1.300     |
| BZX85C5V1   | 5.1                        | 5.8                | 1.000                  |   | 45.0                    | 1.000      |   | 1.5                   | 1.300     |
| BZX85C5V6   | 5.6                        | 7.1                | 1.000                  |   | 45.0                    | 1.000      |   | 2.0                   | 1.300     |

Electrical Chara. Cont. (Ta = 25°C)

| Part Number | V <sub>ZT nom</sub><br>(V) | Tolerance<br>(± %) | r <sub>ZT</sub><br>(Ω) | @ | I <sub>ZT</sub><br>(mA) | IR<br>(μA) | @ | V <sub>R</sub><br>(V) | P <sub>D</sub><br>(W) |
|-------------|----------------------------|--------------------|------------------------|---|-------------------------|------------|---|-----------------------|-----------------------|
| BZX85C6V2   | 6.2                        | 6.4                | 1.000                  |   | 35.0                    | 1.000      |   | 3.0                   | 1.300                 |
| BZX85C6V8   | 6.8                        | 5.8                | 1.000                  |   | 35.0                    | 1.000      |   | 4.0                   | 1.300                 |
| BZX85C7V5   | 7.5                        | 6.0                | 1.000                  |   | 35.0                    | 1.000      |   | 4.5                   | 1.300                 |
| BZX85C8V2   | 8.2                        | 6.0                | 1.000                  |   | 25.0                    | 1.000      |   | 6.2                   | 1.300                 |
| BZX85C9V1   | 9.1                        | 6.0                | 1.000                  |   | 25.0                    | 1.000      |   | 6.8                   | 1.300                 |
| BZX85C10    | 10.0                       | 6.0                | 0.500                  |   | 25.0                    | 0.500      |   | 7.0                   | 1.300                 |
| BZX85C11    | 11.0                       | 5.4                | 0.500                  |   | 20.0                    | 0.500      |   | 8.2                   | 1.300                 |
| BZX85C12    | 12.0                       | 5.3                | 0.500                  |   | 20.0                    | 0.500      |   | 9.1                   | 1.300                 |
| BZX85C13    | 13.0                       | 6.5                | 0.500                  |   | 20.0                    | 0.500      |   | 10.0                  | 1.300                 |
| BZX85C15    | 15.0                       | 6.0                | 0.500                  |   | 15.0                    | 0.500      |   | 11.0                  | 1.300                 |
| BZX85C16    | 16.0                       | 5.6                | 0.500                  |   | 15.0                    | 0.500      |   | 12.0                  | 1.300                 |
| BZX85C18    | 18.0                       | 6.3                | 0.500                  |   | 15.0                    | 0.500      |   | 13.0                  | 1.300                 |
| BZX85C20    | 20.0                       | 6.0                | 0.500                  |   | 10.0                    | 0.500      |   | 15.0                  | 1.300                 |
| BZX85C22    | 22.0                       | 5.7                | 0.500                  |   | 10.0                    | 0.500      |   | 16.0                  | 1.300                 |
| BZX85C24    | 24.0                       | 5.8                | 0.500                  |   | 10.0                    | 0.500      |   | 18.0                  | 1.300                 |
| BZX85C27    | 27.0                       | 7.0                | 0.500                  |   | 8.0                     | 0.500      |   | 20.0                  | 1.300                 |
| BZX85C30    | 30.0                       | 6.6                | 0.500                  |   | 8.0                     | 0.500      |   | 22.0                  | 1.300                 |
| BZX85C33    | 33.0                       | 6.0                | 0.500                  |   | 8.0                     | 0.500      |   | 24.0                  | 1.300                 |
| BZX85C36    | 36.0                       | 5.5                | 0.500                  |   | 8.0                     | 0.500      |   | 27.0                  | 1.300                 |
| BZX85C39    | 39.0                       | 5.1                | 0.500                  |   | 6.0                     | 0.500      |   | 30.0                  | 1.300                 |
| BZX85C43    | 43.0                       | 7.0                | 0.500                  |   | 6.0                     | 0.500      |   | 33.0                  | 1.300                 |
| BZX85C47    | 47.0                       | 6.3                | 0.500                  |   | 4.0                     | 0.500      |   | 36.0                  | 1.300                 |