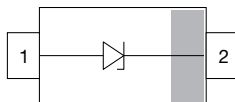
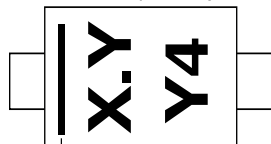


## Small Signal Zener Diodes



### MARKING (example only)



X.Y = type code  
Y4 = date code

23210 Cathode mark

### LINKS TO ADDITIONAL RESOURCES



3D Models



Models

### FEATURES

- Silicon planar Zener diodes
- The Zener voltages are graded according to the international E24 standard
- AEC-Q101 qualified available
- ESD capability according to AEC-Q101:  
Human body model > 8 kV  
Machine model > 800 V
- Base P/N-E3, RoHS-compliant, commercial grade
- Base P/N-HE3\_A, RoHS-compliant, AEC-Q101 qualified
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



**RoHS**  
COMPLIANT

### PRIMARY CHARACTERISTICS

| PARAMETER                    | VALUE         | UNIT |
|------------------------------|---------------|------|
| V <sub>Z</sub> range nom.    | 2.2 to 75     | V    |
| Test current I <sub>ZT</sub> | 2; 5          | mA   |
| V <sub>Z</sub> specification | Pulse current |      |
| Circuit configuration        | Single        |      |

### ORDERING INFORMATION

| DEVICE NAME  | ORDERING CODE                           | ZENER VOLTAGE TOLERANCE | AEC-Q101 QUALIFIED | TAPED UNITS PER REEL              | MINIMUM ORDER QUANTITY |
|--------------|-----------------------------------------|-------------------------|--------------------|-----------------------------------|------------------------|
| BZT52 series | BZT52C2V2-E3-08 to BZT52C75-E3-08       | 5%                      | no                 | 3000<br>(8 mm tape on 7" reel)    | 15 000/box             |
|              | BZT52B2V2-E3-08 to BZT52B75-E3-08       | 2%                      | no                 |                                   |                        |
|              | BZT52C2V2-HE3_A-08 to BZT52C75-HE3_A-08 | 5%                      | yes                |                                   |                        |
|              | BZT52B2V2-HE3_A-08 to BZT52B75-HE3_A-08 | 2%                      | yes                |                                   |                        |
|              | BZT52C2V2-E3-18 to BZT52C75-E3-18       | 5%                      | no                 | 10 000<br>(8 mm tape on 13" reel) | 10 000/box             |
|              | BZT52B2V2-E3-18 to BZT52B75-E3-18       | 2%                      | no                 |                                   |                        |
|              | BZT52C2V2-HE3_A-18 to BZT52C75-HE3_A-18 | 5%                      | yes                |                                   |                        |
|              | BZT52B2V2-HE3_A-18 to BZT52B75-HE3_A-18 | 2%                      | yes                |                                   |                        |

### PACKAGE

| PACKAGE NAME | WEIGHT  | MOLDING COMPOUND FLAMMABILITY RATING | MOISTURE SENSITIVITY LEVEL        | SOLDERING CONDITIONS         |
|--------------|---------|--------------------------------------|-----------------------------------|------------------------------|
| SOD-123      | 10.6 mg | UL 94 V-0                            | MSL level 1 (according J-STD-020) | Peak temperature max. 260 °C |

### ABSOLUTE MAXIMUM RATINGS (T<sub>amb</sub> = 25 °C, unless otherwise specified)

| PARAMETER                              | TEST CONDITION                                                              | SYMBOL            | VALUE       | UNIT |
|----------------------------------------|-----------------------------------------------------------------------------|-------------------|-------------|------|
| Power dissipation                      | R <sub>thJL</sub> = 250 K/W                                                 | P <sub>tot</sub>  | 500         | mW   |
|                                        | On FR-4 board with recommended soldering footprint                          | P <sub>tot</sub>  | 300         | mW   |
| Zener current                          | See table "Electrical Characteristics"                                      |                   |             |      |
| Thermal resistance junction to lead    |                                                                             | R <sub>thJL</sub> | 250         | K/W  |
| Thermal resistance junction to ambient | According to JEDEC® 51-3 on FR-4 board with recommended soldering footprint | R <sub>thJA</sub> | 420         | K/W  |
| Junction temperature                   |                                                                             | T <sub>j</sub>    | 150         | °C   |
| Storage temperature range              |                                                                             | T <sub>stg</sub>  | -65 to +150 | °C   |
| Operating temperature range            |                                                                             | T <sub>op</sub>   | -55 to +150 | °C   |



| ELECTRICAL CHARACTERISTICS (T <sub>amb</sub> = 25 °C, unless otherwise specified) |                 |                                       |      |       |                  |                  |                                  |         |                                       |                                        |                      |                                                  |                                                  |
|-----------------------------------------------------------------------------------|-----------------|---------------------------------------|------|-------|------------------|------------------|----------------------------------|---------|---------------------------------------|----------------------------------------|----------------------|--------------------------------------------------|--------------------------------------------------|
| PART<br>NUMBER                                                                    | MARKING<br>CODE | ZENER VOLTAGE<br>RANGE <sup>(1)</sup> |      |       | TEST<br>CURRENT  |                  | REVERSE<br>VOLTAGE               |         | DYNAMIC<br>RESISTANCE                 |                                        | TEMP.<br>COEFFICIENT | ADMISSABLE ZENER<br>CURRENT <sup>(2)</sup>       |                                                  |
|                                                                                   |                 | V <sub>Z</sub> at I <sub>ZT1</sub>    |      |       | I <sub>ZT1</sub> | I <sub>ZT2</sub> | V <sub>R</sub> at I <sub>R</sub> |         | Z <sub>Z</sub> at<br>I <sub>ZT1</sub> | Z <sub>ZK</sub> at<br>I <sub>ZT2</sub> | α <sub>VZ</sub>      | I <sub>Z</sub> at<br>T <sub>amb</sub> = 45<br>°C | I <sub>Z</sub> at<br>T <sub>amb</sub> = 25<br>°C |
|                                                                                   |                 | V                                     |      |       | mA               |                  | V                                | nA      | Ω                                     |                                        | 10 <sup>-4</sup> /°C | mA                                               |                                                  |
|                                                                                   |                 | MIN.                                  | TYP. | MAX.  |                  |                  |                                  |         | MAX.                                  | MAX.                                   |                      |                                                  |                                                  |
| BZT52C2V2                                                                         | Z9              | 2.09                                  | 2.2  | 2.31  | 5                | 1                | > 1                              | 100 000 | 120                                   | 600                                    | -9 to -4             | 130                                              | 154                                              |
| BZT52C2V4                                                                         | Y1              | 2.28                                  | 2.4  | 2.52  | 5                | 1                | > 1                              | 50 000  | 100                                   | 600                                    | -9 to -4             | 124                                              | 146                                              |
| BZT52C2V7                                                                         | Y2              | 2.57                                  | 2.7  | 2.84  | 5                | 1                | > 1                              | 20 000  | 83                                    | 500                                    | -9 to -4             | 111                                              | 131                                              |
| BZT52C3V0                                                                         | Y3              | 2.85                                  | 3.0  | 3.15  | 5                | 1                | > 1                              | 10 000  | 95                                    | 500                                    | -9 to -3             | 106                                              | 123                                              |
| BZT52C3V3                                                                         | Y4              | 3.14                                  | 3.3  | 3.47  | 5                | 1                | > 1                              | 5000    | 95                                    | 500                                    | -8 to -3             | 103                                              | 118                                              |
| BZT52C3V6                                                                         | Y5              | 3.42                                  | 3.6  | 3.78  | 5                | 1                | > 1                              | 5000    | 95                                    | 500                                    | -8 to -3             | 100                                              | 114                                              |
| BZT52C3V9                                                                         | Y6              | 3.71                                  | 3.9  | 4.10  | 5                | 1                | > 1                              | 2000    | 95                                    | 500                                    | -7 to -3             | 94                                               | 107                                              |
| BZT52C4V3                                                                         | Y7              | 4.09                                  | 4.3  | 4.52  | 5                | 1                | > 1                              | 1000    | 95                                    | 500                                    | -6 to -1             | 91                                               | 103                                              |
| BZT52C4V7                                                                         | Y8              | 4.47                                  | 4.7  | 4.94  | 5                | 1                | > 1                              | 500     | 78                                    | 500                                    | -5 to +2             | 87                                               | 99                                               |
| BZT52C5V1                                                                         | Y9              | 4.85                                  | 5.1  | 5.36  | 5                | 1                | > 0.8                            | 100     | 60                                    | 480                                    | -3 to +4             | 84                                               | 101                                              |
| BZT52C5V6                                                                         | YA              | 5.32                                  | 5.6  | 5.88  | 5                | 1                | > 1                              | 100     | 40                                    | 400                                    | -2 to +6             | 75                                               | 91                                               |
| BZT52C6V2                                                                         | YB              | 5.89                                  | 6.2  | 6.51  | 5                | 1                | > 2                              | 100     | 10                                    | 150                                    | -1 to +7             | 67                                               | 80                                               |
| BZT52C6V8                                                                         | YC              | 6.46                                  | 6.8  | 7.14  | 5                | 1                | > 3                              | 100     | 8                                     | 80                                     | +2 to +7             | 60                                               | 72                                               |
| BZT52C7V5                                                                         | YD              | 7.13                                  | 7.5  | 7.88  | 5                | 1                | > 5                              | 100     | 7                                     | 50                                     | +3 to +7             | 54                                               | 64                                               |
| BZT52C8V2                                                                         | YE              | 7.79                                  | 8.2  | 8.61  | 5                | 1                | > 6                              | 100     | 7                                     | 50                                     | +4 to +7             | 48                                               | 57                                               |
| BZT52C9V1                                                                         | YF              | 8.65                                  | 9.1  | 9.56  | 5                | 1                | > 7                              | 100     | 10                                    | 50                                     | +5 to +8             | 42                                               | 50                                               |
| BZT52C10                                                                          | YG              | 9.50                                  | 10   | 10.50 | 5                | 1                | > 7.5                            | 100     | 15                                    | 70                                     | +5 to +8             | 38                                               | 45                                               |
| BZT52C11                                                                          | YH              | 10.45                                 | 11   | 11.55 | 5                | 1                | > 8.5                            | 100     | 20                                    | 70                                     | +5 to +9             | 35                                               | 41                                               |
| BZT52C12                                                                          | YI              | 11.40                                 | 12   | 12.60 | 5                | 1                | > 9                              | 100     | 20                                    | 90                                     | +6 to +9             | 32                                               | 37                                               |
| BZT52C13                                                                          | YK              | 12.40                                 | 13   | 13.65 | 5                | 1                | > 10                             | 100     | 25                                    | 110                                    | +7 to +9             | 29                                               | 34                                               |
| BZT52C15                                                                          | YL              | 14.25                                 | 15   | 15.60 | 5                | 1                | > 11                             | 100     | 30                                    | 110                                    | +7 to +9             | 25                                               | 29                                               |
| BZT52C16                                                                          | YM              | 15.30                                 | 16   | 16.80 | 5                | 1                | > 12                             | 100     | 40                                    | 170                                    | +8 to +9.5           | 23                                               | 27                                               |
| BZT52C18                                                                          | YN              | 17.10                                 | 18   | 18.90 | 5                | 1                | > 14                             | 100     | 45                                    | 170                                    | +8 to +9.5           | 21                                               | 24                                               |
| BZT52C20                                                                          | YO              | 19.00                                 | 20   | 21.00 | 5                | 1                | > 15                             | 100     | 50                                    | 220                                    | +8 to +10            | 18                                               | 22                                               |
| BZT52C22                                                                          | YP              | 20.90                                 | 22   | 23.10 | 5                | 1                | > 17                             | 100     | 55                                    | 220                                    | +8 to +10            | 17                                               | 20                                               |
| BZT52C24                                                                          | YR              | 22.80                                 | 24   | 25.20 | 5                | 1                | > 18                             | 100     | 70                                    | 220                                    | +8 to +10            | 15                                               | 18                                               |
| BZT52C27                                                                          | YS              | 25.65                                 | 27   | 28.35 | 2                | 0.5              | > 20                             | 100     | 80                                    | 250                                    | +8 to +10            | 14                                               | 16                                               |
| BZT52C30                                                                          | YT              | 28.50                                 | 30   | 31.50 | 2                | 0.5              | > 22.5                           | 100     | 80                                    | 250                                    | +8 to +10            | 12                                               | 14                                               |
| BZT52C33                                                                          | YU              | 31.35                                 | 33   | 34.65 | 2                | 0.5              | > 25                             | 100     | 80                                    | 250                                    | +8 to +10            | 11                                               | 13                                               |
| BZT52C36                                                                          | YW              | 34.20                                 | 36   | 37.80 | 2                | 0.5              | > 27                             | 100     | 87                                    | 250                                    | +8 to +10            | 10                                               | 12                                               |
| BZT52C39                                                                          | YX              | 37.05                                 | 39   | 40.95 | 2                | 0.5              | > 29                             | 100     | 87                                    | 300                                    | +8 to +12            | 9                                                | 11                                               |
| BZT52C43                                                                          | YY              | 40.85                                 | 43   | 45.15 | 2                | 0.5              | > 32                             | 100     | 97                                    | 375                                    | +8 to +12            | 9                                                | 10                                               |
| BZT52C47                                                                          | YZ              | 44.65                                 | 47   | 49.35 | 2                | 0.5              | > 35                             | 100     | 97                                    | 375                                    | +8 to +12            | 8                                                | 9                                                |
| BZT52C51                                                                          | Z1              | 48.45                                 | 51   | 53.55 | 2                | 0.5              | > 38                             | 100     | 100                                   | 400                                    | +8 to +12            | 7                                                | 8                                                |
| BZT52C56                                                                          | Z2              | 53.20                                 | 56   | 58.80 | 2                | 0.5              | > 42                             | 100     | 135                                   | 425                                    | +8 to +12            | 7                                                | 8                                                |
| BZT52C62                                                                          | Z3              | 58.90                                 | 62   | 65.10 | 2                | 0.5              | > 46                             | 100     | 150                                   | 450                                    | +8 to +12            | 6                                                | 7                                                |
| BZT52C68                                                                          | Z4              | 64.60                                 | 68   | 71.40 | 2                | 0.5              | > 51                             | 100     | 200                                   | 475                                    | +8 to +12            | 5                                                | 6                                                |
| BZT52C75                                                                          | Z5              | 71.25                                 | 75   | 78.75 | 2                | 0.5              | > 56                             | 100     | 250                                   | 500                                    | +8 to +12            | 5                                                | 6                                                |

## Notes

- $I_{ZT1} = 5\text{ mA}$ ,  $I_{ZT2} = 1\text{ mA}$  or  $0.5\text{ mA}$

<sup>(1)</sup> Measured with pulses  $t_p = 5\text{ ms}$

<sup>(2)</sup> Valid provided that electrodes are kept at ambient temperature



| ELECTRICAL CHARACTERISTICS ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified) |              |                                    |      |       |              |           |                 |        |                    |                       |                            |                                                 |                                                 |
|---------------------------------------------------------------------------------------------------|--------------|------------------------------------|------|-------|--------------|-----------|-----------------|--------|--------------------|-----------------------|----------------------------|-------------------------------------------------|-------------------------------------------------|
| PART NUMBER                                                                                       | MARKING CODE | ZENER VOLTAGE RANGE <sup>(1)</sup> |      |       | TEST CURRENT |           | REVERSE VOLTAGE |        | DYNAMIC RESISTANCE |                       | TEMP. COEFFICIENT          | ADMISSABLE ZENER CURRENT <sup>(2)</sup>         |                                                 |
|                                                                                                   |              | $V_Z$ at $I_{ZT1}$                 |      |       | $I_{ZT1}$    | $I_{ZT2}$ | $V_R$ at $I_R$  |        | $Z_Z$ at $I_{ZT1}$ | $Z_{ZK}$ at $I_{ZT2}$ | $\alpha_{VZ}$              | $I_Z$ at $T_{amb} = 45\text{ }^{\circ}\text{C}$ | $I_Z$ at $T_{amb} = 25\text{ }^{\circ}\text{C}$ |
|                                                                                                   |              | V                                  |      |       | mA           |           | V               | nA     | $\Omega$           |                       | $10^{-4}/^{\circ}\text{C}$ | mA                                              |                                                 |
|                                                                                                   |              | MIN.                               | TYP. | MAX.  |              |           |                 |        | MAX.               | MAX.                  |                            |                                                 |                                                 |
| BZT52B2V2                                                                                         | U6           | 2.16                               | 2.2  | 2.24  | 5            | 1         | > 1             | 100000 | 120                | 600                   | -9 to -4                   | 130                                             | 154                                             |
| BZT52B2V4                                                                                         | V1           | 2.35                               | 2.4  | 2.45  | 5            | 1         | > 1             | 50000  | 100                | 600                   | -9 to -4                   | 124                                             | 146                                             |
| BZT52B2V7                                                                                         | V2           | 2.65                               | 2.7  | 2.75  | 5            | 1         | > 1             | 20000  | 83                 | 500                   | -9 to -4                   | 111                                             | 131                                             |
| BZT52B3V0                                                                                         | V3           | 2.94                               | 3.0  | 3.06  | 5            | 1         | > 1             | 10000  | 95                 | 500                   | -9 to -3                   | 106                                             | 123                                             |
| BZT52B3V3                                                                                         | V4           | 3.23                               | 3.3  | 3.37  | 5            | 1         | > 1             | 5000   | 95                 | 500                   | -8 to -3                   | 103                                             | 118                                             |
| BZT52B3V6                                                                                         | V5           | 3.53                               | 3.6  | 3.67  | 5            | 1         | > 1             | 5000   | 95                 | 500                   | -8 to -3                   | 100                                             | 114                                             |
| BZT52B3V9                                                                                         | V6           | 3.82                               | 3.9  | 3.98  | 5            | 1         | > 1             | 2000   | 90                 | 500                   | -7 to -3                   | 94                                              | 107                                             |
| BZT52B4V3                                                                                         | V7           | 4.21                               | 4.3  | 4.39  | 5            | 1         | > 1             | 1000   | 90                 | 500                   | -6 to -1                   | 91                                              | 103                                             |
| BZT52B4V7                                                                                         | V8           | 4.61                               | 4.7  | 4.79  | 5            | 1         | > 1             | 500    | 78                 | 500                   | -5 to +2                   | 87                                              | 99                                              |
| BZT52B5V1                                                                                         | V9           | 5.00                               | 5.1  | 5.20  | 5            | 1         | > 0.8           | 100    | 60                 | 480                   | -3 to +4                   | 84                                              | 101                                             |
| BZT52B5V6                                                                                         | VA           | 5.49                               | 5.6  | 5.71  | 5            | 1         | > 1             | 100    | 40                 | 400                   | -2 to +6                   | 75                                              | 91                                              |
| BZT52B6V2                                                                                         | VB           | 6.08                               | 6.2  | 6.32  | 5            | 1         | > 2             | 100    | 10                 | 150                   | -1 to +7                   | 67                                              | 80                                              |
| BZT52B6V8                                                                                         | VC           | 6.66                               | 6.8  | 6.94  | 5            | 1         | > 3             | 100    | 8                  | 80                    | +2 to +7                   | 60                                              | 72                                              |
| BZT52B7V5                                                                                         | VD           | 7.35                               | 7.5  | 7.65  | 5            | 1         | > 5             | 100    | 7                  | 50                    | +3 to +7                   | 54                                              | 64                                              |
| BZT52B8V2                                                                                         | VE           | 8.04                               | 8.2  | 8.36  | 5            | 1         | > 6             | 100    | 7                  | 50                    | +4 to +7                   | 48                                              | 57                                              |
| BZT52B9V1                                                                                         | VF           | 8.92                               | 9.1  | 9.28  | 5            | 1         | > 7             | 100    | 10                 | 50                    | +5 to +8                   | 42                                              | 50                                              |
| BZT52B10                                                                                          | VG           | 9.80                               | 10   | 10.20 | 5            | 1         | > 7.5           | 100    | 15                 | 70                    | +5 to +8                   | 38                                              | 45                                              |
| BZT52B11                                                                                          | VH           | 10.78                              | 11   | 11.22 | 5            | 1         | > 8.5           | 100    | 20                 | 70                    | +5 to +9                   | 35                                              | 41                                              |
| BZT52B12                                                                                          | VI           | 11.76                              | 12   | 12.24 | 5            | 1         | > 9             | 100    | 20                 | 90                    | +6 to +9                   | 32                                              | 37                                              |
| BZT52B13                                                                                          | VK           | 12.74                              | 13   | 13.26 | 5            | 1         | > 10            | 100    | 25                 | 110                   | +7 to +9                   | 29                                              | 34                                              |
| BZT52B15                                                                                          | VL           | 14.70                              | 15   | 15.30 | 5            | 1         | > 11            | 100    | 30                 | 110                   | +7 to +9                   | 25                                              | 29                                              |
| BZT52B16                                                                                          | VM           | 15.68                              | 16   | 16.32 | 5            | 1         | > 12            | 100    | 40                 | 170                   | +8 to +9.5                 | 23                                              | 27                                              |
| BZT52B18                                                                                          | VN           | 17.64                              | 18   | 18.36 | 5            | 1         | > 14            | 100    | 45                 | 170                   | +8 to +9.5                 | 21                                              | 24                                              |
| BZT52B20                                                                                          | VO           | 19.60                              | 20   | 20.40 | 5            | 1         | > 15            | 100    | 50                 | 220                   | +8 to +10                  | 18                                              | 22                                              |
| BZT52B22                                                                                          | VP           | 21.56                              | 22   | 22.44 | 5            | 1         | > 17            | 100    | 55                 | 220                   | +8 to +10                  | 17                                              | 20                                              |
| BZT52B24                                                                                          | VR           | 23.52                              | 24   | 24.48 | 5            | 1         | > 18            | 100    | 70                 | 220                   | +8 to +10                  | 15                                              | 18                                              |
| BZT52B27                                                                                          | VS           | 26.46                              | 27   | 27.54 | 2            | 0.5       | > 20            | 100    | 80                 | 250                   | +8 to +10                  | 14                                              | 16                                              |
| BZT52B30                                                                                          | VT           | 29.40                              | 30   | 30.60 | 2            | 0.5       | > 22.5          | 100    | 80                 | 250                   | +8 to +10                  | 12                                              | 14                                              |
| BZT52B33                                                                                          | VU           | 32.34                              | 33   | 33.66 | 2            | 0.5       | > 25            | 100    | 80                 | 250                   | +8 to +10                  | 11                                              | 13                                              |
| BZT52B36                                                                                          | VW           | 35.28                              | 36   | 36.72 | 2            | 0.5       | > 27            | 100    | 87                 | 250                   | +8 to +10                  | 10                                              | 12                                              |
| BZT52B39                                                                                          | VX           | 38.22                              | 39   | 39.78 | 2            | 0.5       | > 29            | 100    | 87                 | 300                   | +8 to +12                  | 9                                               | 11                                              |
| BZT52B43                                                                                          | VY           | 42.14                              | 43   | 43.86 | 2            | 0.5       | > 32            | 100    | 97                 | 375                   | +8 to +12                  | 9                                               | 10                                              |
| BZT52B47                                                                                          | VZ           | 46.06                              | 47   | 47.94 | 2            | 0.5       | > 35            | 100    | 97                 | 375                   | +8 to +12                  | 8                                               | 9                                               |
| BZT52B51                                                                                          | U1           | 49.98                              | 51   | 52.02 | 2            | 0.5       | > 38            | 100    | 100                | 400                   | +8 to +12                  | 7                                               | 8                                               |
| BZT52B56                                                                                          | U2           | 54.88                              | 56   | 57.12 | 2            | 0.5       | > 42            | 100    | 135                | 425                   | +8 to +12                  | 7                                               | 8                                               |
| BZT52B62                                                                                          | U3           | 60.76                              | 62   | 63.24 | 2            | 0.5       | > 46            | 100    | 150                | 450                   | +8 to +12                  | 6                                               | 7                                               |
| BZT52B68                                                                                          | U4           | 66.64                              | 68   | 69.36 | 2            | 0.5       | > 51            | 100    | 200                | 475                   | +8 to +12                  | 5                                               | 6                                               |
| BZT52B75                                                                                          | U5           | 73.50                              | 75   | 76.50 | 2            | 0.5       | > 56            | 100    | 250                | 500                   | +8 to +12                  | 5                                               | 6                                               |

**Notes**

- $I_{ZT1} = 5\text{ mA}$ ,  $I_{ZT2} = 1\text{ mA}$  or  $0.5\text{ mA}$

<sup>(1)</sup> Measured with pulses  $t_p = 5\text{ ms}$

<sup>(2)</sup> Valid provided that electrodes are kept at ambient temperature



**TYPICAL CHARACTERISTICS** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified)

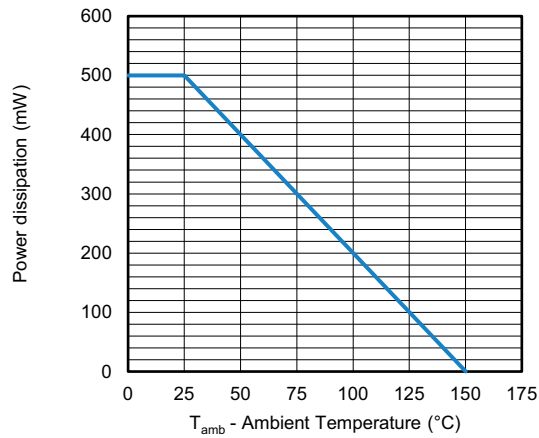


Fig. 1 - Admissible Power Dissipation vs. Ambient Temperature

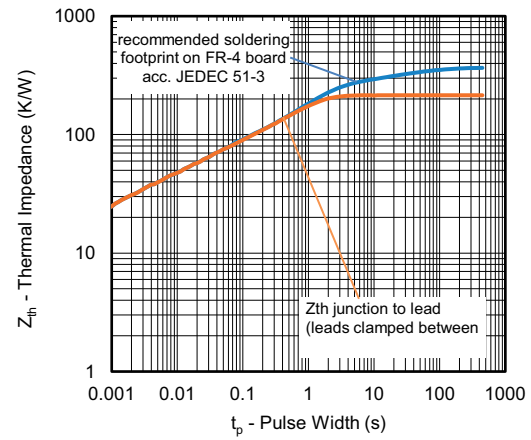
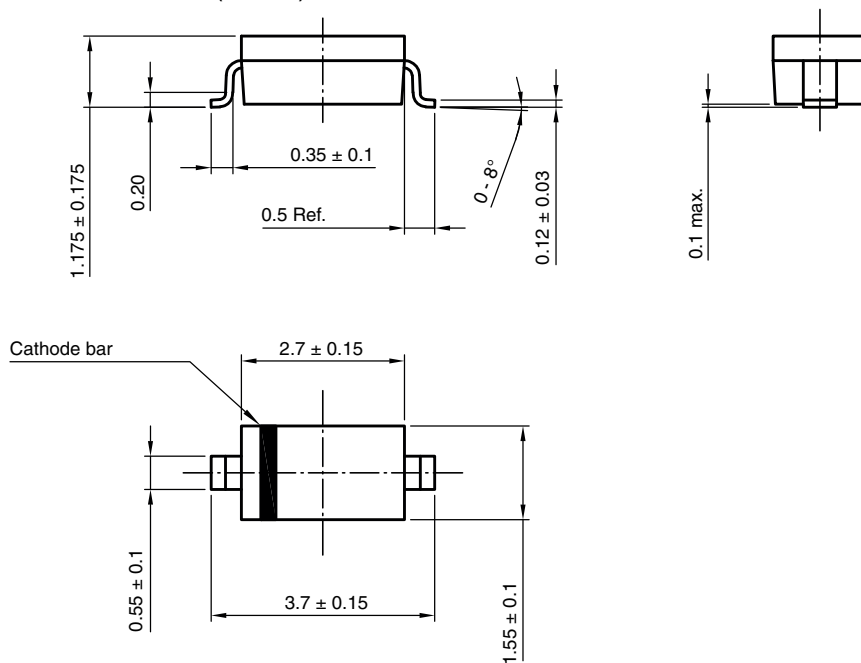
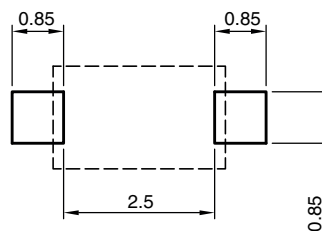


Fig. 2 - Thermal Impedance vs. Time

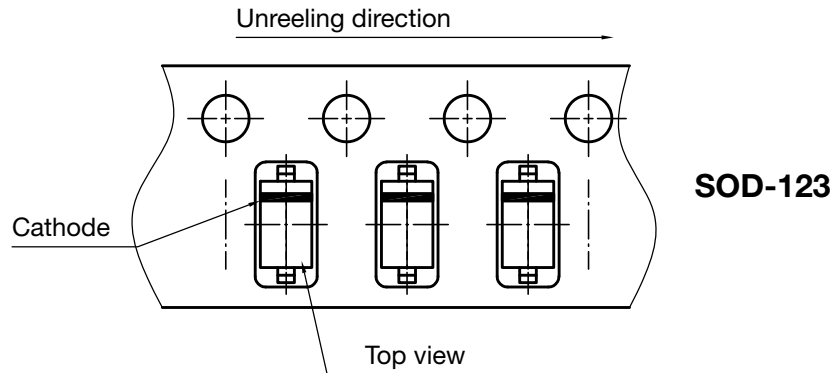
**PACKAGE DIMENSIONS** in millimeters (inches): **SOD-123**


Footprint recommendation:



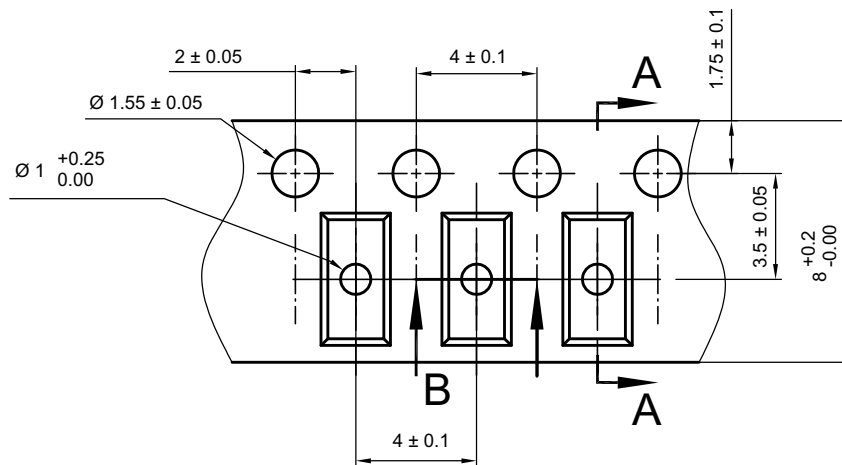
Created - Date: 18 Oct. 2021  
Rev. 01 - Date: 18 Jan. 2022  
Document no.: S8-V-3910.01-003 (4)

## ORIENTATION IN CARRIER TAPE

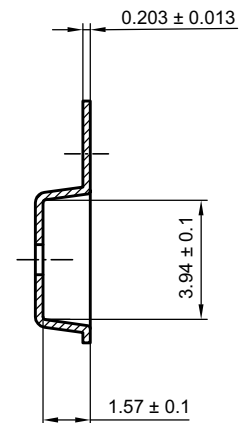


Created - Date: 09. Feb. 2016  
 Rev. 01 - Date: 07. Nov. 2022  
 Document no.: S8-V-3717.10-003 (4)

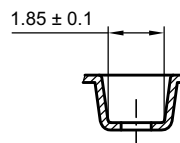
## CARRIER TAPE



## A-A Section



## B-B Section



Created - Date: 07. Feb. 2013  
 Rev. 01 - Date: 01. Mar. 2014  
 Document no.: S8-V-3717.10-003 (4)



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