

## Small Signal Zener Diodes



| PRIMARY CHARACTERISTICS      |               |      |
|------------------------------|---------------|------|
| PARAMETER                    | VALUE         | UNIT |
| V <sub>Z</sub> range nom.    | 2.4 to 75     | V    |
| Test current I <sub>ZT</sub> | 2; 5          | mA   |
| V <sub>Z</sub> specification | Pulse current |      |
| Int. construction            | Single        |      |

### FEATURES

- Silicon planar Zener diodes
- The Zener voltages are graded according to the international E24 standard
- Standard Zener voltage tolerance is  $\pm 5\%$ ; replace "C" with "B" for  $\pm 2\%$  tolerance
- 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 - RoHS-compliant, AEC-Q101 qualified
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

 AUTOMOTIVE  
GRADE  
Available

**RoHS**  
COMPLIANT

| ORDERING INFORMATION |                                       |                                |                        |
|----------------------|---------------------------------------|--------------------------------|------------------------|
| DEVICE NAME          | ORDERING CODE                         | TAPED UNITS PER REEL           | MINIMUM ORDER QUANTITY |
| BZX384-series        | BZX384C2V4-E3-08 to BZX384C75-E3-08   | 3000 (8 mm tape on 7" reel)    | 15 000/box             |
|                      | BZX384B2V4-E3-08 to BZX384B75-E3-08   |                                |                        |
|                      | BZX384C2V4-HE3-08 to BZX384C75-HE3-08 |                                |                        |
|                      | BZX384B2V4-HE3-08 to BZX384B75-HE3-08 |                                |                        |
|                      | BZX384C2V4-E3-18 to BZX384C75-E3-18   | 10 000 (8 mm tape on 13" reel) | 10 000/box             |
|                      | BZX384B2V4-E3-18 to BZX384B75-E3-18   |                                |                        |
|                      | BZX384C2V4-HE3-18 to BZX384C75-HE3-18 |                                |                        |
|                      | BZX384B2V4-HE3-18 to BZX384B75-HE3-18 |                                |                        |

| PACKAGE      |        |   |                                      |                          |
|--------------|--------|---|--------------------------------------|--------------------------|
| PACKAGE NAME | WEIGHT | MOLDING COMPOUND<br>FLAMMABILITY RATING | MOISTURE SENSITIVITY<br>LEVEL        | SOLDERING CONDITIONS     |
| SOD-323      | 4.3 mg | UL 94 V-0                               | MSL level 1<br>(according J-STD-020) | 260 °C/10 s at terminals |

| ABSOLUTE MAXIMUM RATINGS (T <sub>amb</sub> = 25 °C, unless otherwise specified) |   |  |                   |             |      |
|---|---|--|-------------------|-------------|------|
| PARAMETER   | TEST CONDITION  |  | SYMBOL            | VALUE       | UNIT |
| Power dissipation   | Device on fiberglass substrate                        |  | P <sub>tot</sub>  | 200         | mW   |
| Thermal resistance junction to ambient air                                      | Valid that electrodes are kept at ambient temperature |  | R <sub>thJA</sub> | 650         | 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   |



| <b>ELECTRICAL CHARACTERISTICS</b> ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified) |              |                     |      |      |              |           |                         |                 |                    |                       |  |      |
|--|--------------|---------------------|------|------|--------------|-----------|-------------------------|-----------------|--------------------|-----------------------|--|------|
| PART NUMBER  | MARKING CODE | ZENER VOLTAGE RANGE |      |      | TEST CURRENT |           | REVERSE LAEKAGE CURRENT |                 | DYNAMIC RESISTANCE |                       | TEMPERATURE COEFFICIENT OF ZENER VOLTAGE |      |
|  |              | $V_Z$ at $I_{ZT1}$  |      |      | $I_{ZT1}$    | $I_{ZT2}$ | $I_R$ at $V_R$          |                 | $Z_Z$ at $I_{ZT1}$ | $Z_{ZK}$ at $I_{ZT2}$ | $\alpha_{VZ}$ at $I_{ZT1}$               |      |
|  |              | V                   |      |      | mA           |           | $\mu\text{A}$           | V               | $\Omega$           |                       | $10^{-4}/^{\circ}\text{C}$               |      |
|  |              | MIN.                | NOM. | MAX. |              |           | MAX.                    |                 | TYP.               | TYP.                  | MIN.                                     | MAX. |
| BZX384C2V4   | W1           | 2.2                 | 2.4  | 2.6  | 5            | 1         | 50                      | 1               | 70 ( $\leq 100$ )  | 275                   | - 9                                      | - 4  |
| BZX384C2V7   | W2           | 2.5                 | 2.7  | 2.9  | 5            | 1         | 20                      | 1               | 75 ( $\leq 100$ )  | 300 ( $\leq 600$ )    | - 9                                      | - 4  |
| BZX384C3V0   | W3           | 2.8                 | 3.0  | 3.2  | 5            | 1         | 10                      | 1               | 80 ( $\leq 95$ )   | 325 ( $\leq 600$ )    | - 9                                      | - 3  |
| BZX384C3V3   | W4           | 3.1                 | 3.3  | 3.5  | 5            | 1         | 5                       | 1               | 85 ( $\leq 95$ )   | 350 ( $\leq 600$ )    | - 8                                      | - 3  |
| BZX384C3V6   | W5           | 3.4                 | 3.6  | 3.8  | 5            | 1         | 5                       | 1               | 85 ( $\leq 90$ )   | 375 ( $\leq 600$ )    | - 8                                      | - 3  |
| BZX384C3V9   | W6           | 3.7                 | 3.9  | 4.1  | 5            | 1         | 3                       | 1               | 85 ( $\leq 90$ )   | 400 ( $\leq 600$ )    | - 7                                      | - 3  |
| BZX384C4V3   | W7           | 4                   | 4.3  | 4.6  | 5            | 1         | 3                       | 1               | 80 ( $\leq 90$ )   | 410 ( $\leq 600$ )    | - 6                                      | - 1  |
| BZX384C4V7   | W8           | 4.4                 | 4.7  | 5    | 5            | 1         | 3                       | 2               | 50 ( $\leq 80$ )   | 425 ( $\leq 500$ )    | - 5                                      | 2    |
| BZX384C5V1   | W9           | 4.8                 | 5.1  | 5.4  | 5            | 1         | 2                       | 2               | 40 ( $\leq 60$ )   | 400 ( $\leq 480$ )    | - 3                                      | 4    |
| BZX384C5V6   | WA           | 5.2                 | 5.6  | 6    | 5            | 1         | 1                       | 2               | 15 ( $\leq 40$ )   | 80 ( $\leq 400$ )     | - 2                                      | 6    |
| BZX384C6V2   | WB           | 5.8                 | 6.2  | 6.6  | 5            | 1         | 3                       | 4               | 6 ( $\leq 10$ )    | 40 ( $\leq 150$ )     | - 1                                      | 7    |
| BZX384C6V8   | WC           | 6.4                 | 6.8  | 7.2  | 5            | 1         | 2                       | 4               | 6 ( $\leq 15$ )    | 30 ( $\leq 80$ )      | 2  | 7    |
| BZX384C7V5   | WD           | 7                   | 7.5  | 7.9  | 5            | 1         | 1                       | 5               | 6 ( $\leq 15$ )    | 30 ( $\leq 80$ )      | 3  | 7    |
| BZX384C8V2   | WE           | 7.7                 | 8.2  | 8.7  | 5            | 1         | 0.7                     | 5               | 6 ( $\leq 15$ )    | 40 ( $\leq 80$ )      | 4  | 7    |
| BZX384C9V1   | WF           | 8.5                 | 9.1  | 9.6  | 5            | 1         | 0.5                     | 6               | 6 ( $\leq 15$ )    | 40 ( $\leq 100$ )     | 5  | 8    |
| BZX384C10  | WG           | 9.4                 | 10   | 10.6 | 5            | 1         | 0.2                     | 7               | 8 ( $\leq 20$ )    | 50 ( $\leq 150$ )     | 5  | 8    |
| BZX384C11  | WH           | 10.4                | 11   | 11.6 | 5            | 1         | 0.1                     | 8               | 10 ( $\leq 20$ )   | 50 ( $\leq 150$ )     | 5  | 9    |
| BZX384C12  | WI           | 11.4                | 12   | 12.7 | 5            | 1         | 0.1                     | 8               | 10 ( $\leq 25$ )   | 50 ( $\leq 150$ )     | 6  | 9    |
| BZX384C13  | WK           | 12.4                | 13   | 14.1 | 5            | 1         | 0.1                     | 8               | 10 ( $\leq 30$ )   | 50 ( $\leq 170$ )     | 7  | 9    |
| BZX384C15  | WL           | 13.8                | 15   | 15.6 | 5            | 1         | 0.05                    | $0.7 V_{Znom.}$ | 10 ( $\leq 30$ )   | 50 ( $\leq 200$ )     | 7  | 9    |
| BZX384C16  | WM           | 15.3                | 16   | 17.1 | 5            | 1         | 0.05                    | $0.7 V_{Znom.}$ | 10 ( $\leq 40$ )   | 50 ( $\leq 200$ )     | 8  | 9.5  |
| BZX384C18  | WN           | 16.8                | 18   | 19.1 | 5            | 1         | 0.05                    | $0.7 V_{Znom.}$ | 10 ( $\leq 45$ )   | 50 ( $\leq 225$ )     | 8  | 9.5  |
| BZX384C20  | WO           | 18.8                | 20   | 21.2 | 5            | 1         | 0.05                    | $0.7 V_{Znom.}$ | 15 ( $\leq 55$ )   | 60 ( $\leq 225$ )     | 8  | 10   |
| BZX384C22  | WP           | 20.8                | 22   | 23.3 | 5            | 1         | 0.05                    | $0.7 V_{Znom.}$ | 20 ( $\leq 55$ )   | 60 ( $\leq 250$ )     | 8  | 10   |
| BZX384C24  | WR           | 22.8                | 24   | 25.6 | 5            | 1         | 0.05                    | $0.7 V_{Znom.}$ | 25 ( $\leq 70$ )   | 60 ( $\leq 250$ )     | 8  | 10   |
| BZX384C27  | WS           | 25.1                | 27   | 28.9 | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 25 ( $\leq 80$ )   | 65 ( $\leq 300$ )     | 8  | 10   |
| BZX384C30  | WT           | 28                  | 30   | 32   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 30 ( $\leq 80$ )   | 70 ( $\leq 300$ )     | 8  | 10   |
| BZX384C33  | WU           | 31                  | 33   | 35   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 35 ( $\leq 80$ )   | 75 ( $\leq 325$ )     | 8  | 10   |
| BZX384C36  | WW           | 34                  | 36   | 38   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 35 ( $\leq 90$ )   | 80 ( $\leq 350$ )     | 8  | 10   |
| BZX384C39  | WX           | 37                  | 39   | 41   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 40 ( $\leq 130$ )  | 80 ( $\leq 350$ )     | 10                                       | 12   |
| BZX384C43  | WY           | 40                  | 43   | 46   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 45 ( $\leq 150$ )  | 85 ( $\leq 375$ )     | 10                                       | 12   |
| BZX384C47  | WZ           | 44                  | 47   | 50   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 50 ( $\leq 170$ )  | 85 ( $\leq 375$ )     | 10                                       | 12   |
| BZX384C51  | X1           | 48                  | 51   | 54   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 60 ( $\leq 180$ )  | 85 ( $\leq 400$ )     | 8  | 10   |
| BZX384C56  | X2           | 52                  | 56   | 60   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 70 ( $\leq 200$ )  | 100 ( $\leq 425$ )    | 10                                       | 12   |
| BZX384C62  | X3           | 58                  | 62   | 66   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 80 ( $\leq 215$ )  | 100 ( $\leq 450$ )    | 10                                       | 12   |
| BZX384C68  | X4           | 64                  | 68   | 72   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 90 ( $\leq 240$ )  | 150 ( $\leq 475$ )    | 10                                       | 12   |
| BZX384C75  | X5           | 70                  | 75   | 79   | 2            | 0.5       | 0.05                    | $0.7 V_{Znom.}$ | 95 ( $\leq 255$ )  | 170 ( $\leq 500$ )    | 10                                       | 12   |



| <b>ELECTRICAL CHARACTERISTICS</b> ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified) |              |                     |      |      |              |           |                         |                 |                    |                       |  |      |
|--|--------------|---------------------|------|------|--------------|-----------|-------------------------|-----------------|--------------------|-----------------------|--|------|
| PART NUMBER  | MARKING CODE | ZENER VOLTAGE RANGE |      |      | TEST CURRENT |           | REVERSE LEAKAGE CURRENT |                 | DYNAMIC RESISTANCE |                       | TEMPERATURE COEFFICIENT OF ZENER VOLTAGE |      |
|  |              | $V_Z$ at $I_{ZT1}$  |      |      | $I_{ZT1}$    | $I_{ZT2}$ | $I_R$ at $V_R$          |                 | $Z_Z$ at $I_{ZT1}$ | $Z_{ZK}$ at $I_{ZT2}$ | $\alpha_{VZ}$ at $I_{ZT1}$               |      |
|  |              | V                   |      |      | mA           |           | $\mu\text{A}$           | V               | $\Omega$           |                       | $10^{-4}/^{\circ}\text{C}$               |      |
|  |              | MIN.                | NOM. | MAX. |              |           | MAX.                    |                 | TYP.               | TYP.                  | MIN.                                     | MAX. |
| BZX384B2V4   | W1           | 2.35                | 2.4  | 2.45 | 5            | 1         | 50                      | 1               | 70 ( $\leq 100$ )  | 275                   | -9                                       | -4   |
| BZX384B2V7   | W2           | 2.65                | 2.7  | 2.75 | 5            | 1         | 20                      | 1               | 75 ( $\leq 100$ )  | 300 ( $\leq 600$ )    | -9                                       | -3   |
| BZX384B3V0   | W3           | 2.94                | 3.0  | 3.06 | 5            | 1         | 10                      | 1               | 80 ( $\leq 95$ )   | 325 ( $\leq 600$ )    | -8                                       | -3   |
| BZX384B3V3   | W4           | 3.23                | 3.3  | 3.37 | 5            | 1         | 5                       | 1               | 85 ( $\leq 95$ )   | 350 ( $\leq 600$ )    | -8                                       | -3   |
| BZX384B3V6   | W5           | 3.53                | 3.6  | 3.67 | 5            | 1         | 5                       | 1               | 85 ( $\leq 90$ )   | 375 ( $\leq 600$ )    | -7                                       | -3   |
| BZX384B3V9   | W6           | 3.82                | 3.9  | 3.98 | 5            | 1         | 3                       | 1               | 85 ( $\leq 90$ )   | 400 ( $\leq 600$ )    | -6                                       | -1   |
| BZX384B4V3   | W7           | 4.21                | 4.3  | 4.39 | 5            | 1         | 3                       | 1               | 80 ( $\leq 90$ )   | 410 ( $\leq 600$ )    | -5                                       | 2    |
| BZX384B4V7   | W8           | 4.61                | 4.7  | 4.79 | 5            | 1         | 3                       | 2               | 50 ( $\leq 80$ )   | 425 ( $\leq 500$ )    | -3                                       | 4    |
| BZX384B5V1   | W9           | 5                   | 5.1  | 5.2  | 5            | 1         | 2                       | 2               | 40 ( $\leq 60$ )   | 400 ( $\leq 480$ )    | -2                                       | 6    |
| BZX384B5V6   | WA           | 5.49                | 5.6  | 5.71 | 5            | 1         | 1                       | 2               | 15 ( $\leq 40$ )   | 80 ( $\leq 400$ )     | -1                                       | 7    |
| BZX384B6V2   | WB           | 6.08                | 6.2  | 6.32 | 5            | 1         | 3                       | 4               | 6 ( $\leq 10$ )    | 40 ( $\leq 150$ )     | 2  | 7    |
| BZX384B6V8   | WC           | 6.66                | 6.8  | 6.94 | 5            | 1         | 2                       | 4               | 6 ( $\leq 15$ )    | 30 ( $\leq 80$ )      | 3  | 7    |
| BZX384B7V5   | WD           | 7.35                | 7.5  | 7.65 | 5            | 1         | 1                       | 5               | 6 ( $\leq 15$ )    | 30 ( $\leq 80$ )      | 4  | 7    |
| BZX384B8V2   | WE           | 8.04                | 8.2  | 8.36 | 5            | 1         | 0.7                     | 5               | 6 ( $\leq 15$ )    | 40 ( $\leq 80$ )      | 5  | 8    |
| BZX384B9V1   | WF           | 8.92                | 9.1  | 9.28 | 5            | 1         | 0.5                     | 6               | 6 ( $\leq 15$ )    | 40 ( $\leq 100$ )     | 5  | 8    |
| BZX384B10  | WG           | 9.8                 | 10   | 10.2 | 5            | 1         | 0.2                     | 7               | 8 ( $\leq 20$ )    | 50 ( $\leq 150$ )     | 5  | 9    |
| BZX384B11  | WH           | 10.8                | 11   | 11.2 | 5            | 1         | 0.1                     | 8               | 10 ( $\leq 20$ )   | 50 ( $\leq 150$ )     | 6  | 9    |
| BZX384B12  | WI           | 11.8                | 12   | 12.2 | 5            | 1         | 0.1                     | 8               | 10 ( $\leq 25$ )   | 50 ( $\leq 150$ )     | 7  | 9    |
| BZX384B13  | WK           | 12.7                | 13   | 13.3 | 5            | 1         | 0.1                     | 8               | 10 ( $\leq 30$ )   | 50 ( $\leq 170$ )     | 7  | 9    |
| BZX384B15  | WL           | 14.7                | 15   | 15.3 | 5            | 1         | 0.05                    | 0.7 $V_{Znom.}$ | 10 ( $\leq 30$ )   | 50 ( $\leq 200$ )     | 8  | 9.5  |
| BZX384B16  | WM           | 15.7                | 16   | 16.3 | 5            | 1         | 0.05                    | 0.7 $V_{Znom.}$ | 10 ( $\leq 40$ )   | 50 ( $\leq 200$ )     | 8  | 9.5  |
| BZX384B18  | WN           | 17.6                | 18   | 18.4 | 5            | 1         | 0.05                    | 0.7 $V_{Znom.}$ | 10 ( $\leq 45$ )   | 50 ( $\leq 225$ )     | 8  | 10   |
| BZX384B20  | WO           | 19.6                | 20   | 20.4 | 5            | 1         | 0.05                    | 0.7 $V_{Znom.}$ | 15 ( $\leq 55$ )   | 60 ( $\leq 225$ )     | 8  | 10   |
| BZX384B22  | WP           | 21.6                | 22   | 22.4 | 5            | 1         | 0.05                    | 0.7 $V_{Znom.}$ | 20 ( $\leq 55$ )   | 60 ( $\leq 250$ )     | 8  | 10   |
| BZX384B24  | WR           | 23.5                | 24   | 24.5 | 5            | 1         | 0.05                    | 0.7 $V_{Znom.}$ | 25 ( $\leq 70$ )   | 60 ( $\leq 250$ )     | 8  | 10   |
| BZX384B27  | WS           | 26.5                | 27   | 27.5 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 25 ( $\leq 80$ )   | 65 ( $\leq 300$ )     | 8  | 10   |
| BZX384B30  | WT           | 29.4                | 30   | 30.6 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 30 ( $\leq 80$ )   | 70 ( $\leq 300$ )     | 8  | 10   |
| BZX384B33  | WU           | 32.3                | 33   | 33.7 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 35 ( $\leq 80$ )   | 75 ( $\leq 325$ )     | 8  | 10   |
| BZX384B36  | WW           | 35.3                | 36   | 36.7 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 35 ( $\leq 90$ )   | 80 ( $\leq 350$ )     | 10                                       | 12   |
| BZX384B39  | WX           | 38.2                | 39   | 39.8 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 40 ( $\leq 130$ )  | 80 ( $\leq 350$ )     | 10                                       | 12   |
| BZX384B43  | WY           | 42.1                | 43   | 43.9 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 45 ( $\leq 150$ )  | 85 ( $\leq 375$ )     | 10                                       | 12   |
| BZX384B47  | WZ           | 46.1                | 47   | 47.9 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 50 ( $\leq 170$ )  | 85 ( $\leq 375$ )     | 10                                       | 12   |
| BZX384B51  | X1           | 50                  | 51   | 52   | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 60 ( $\leq 180$ )  | 85 ( $\leq 400$ )     | 10                                       | 12   |
| BZX384B56  | X2           | 54.9                | 56   | 57.1 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 70 ( $\leq 200$ )  | 100 ( $\leq 425$ )    | 10                                       | 12   |
| BZX384B62  | X3           | 60.8                | 62   | 63.2 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 80 ( $\leq 215$ )  | 100 ( $\leq 450$ )    | 10                                       | 12   |
| BZX384B68  | X4           | 66.6                | 68   | 69.4 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 90 ( $\leq 240$ )  | 150 ( $\leq 475$ )    | 10                                       | 12   |
| BZX384B75  | X5           | 73.5                | 75   | 76.5 | 2            | 0.5       | 0.05                    | 0.7 $V_{Znom.}$ | 95 ( $\leq 255$ )  | 170 ( $\leq 500$ )    | 10                                       | 12   |

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

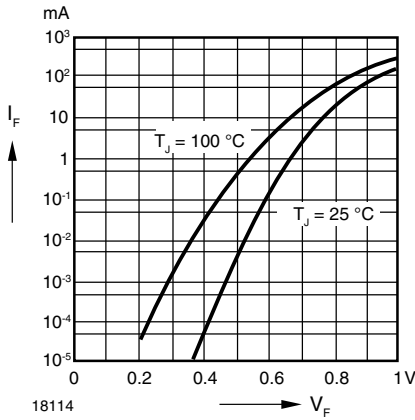


Fig. 1 - Forward characteristics

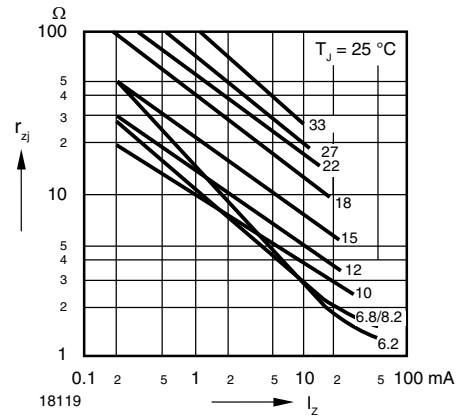


Fig. 4 - Dynamic Resistance vs. Zener Current

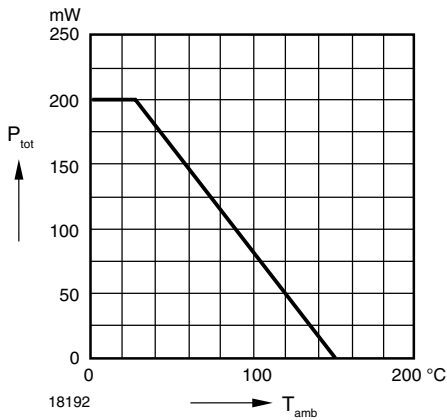


Fig. 2 - Admissible Power Dissipation vs. Ambient Temperature

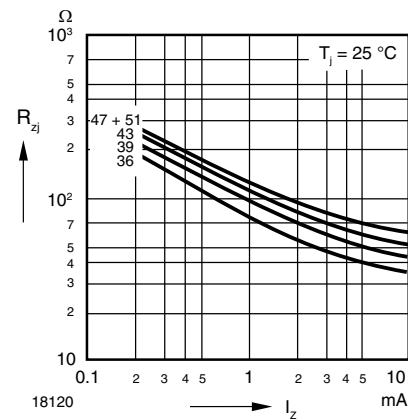


Fig. 5 - Dynamic Resistance vs. Zener Current

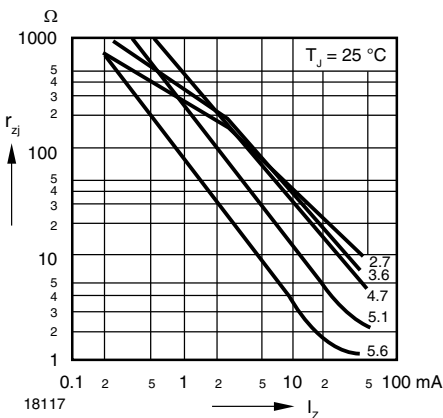


Fig. 3 - Dynamic Resistance vs. Zener Current

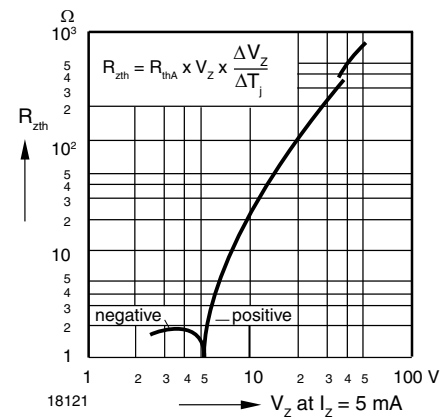


Fig. 6 - Thermal Differential Resistance vs. Zener Voltage

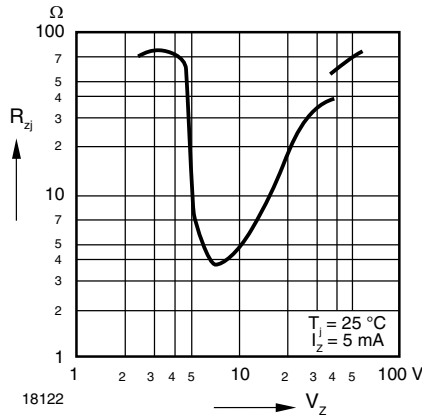


Fig. 7 - Dynamic Resistance vs. Zener Voltage

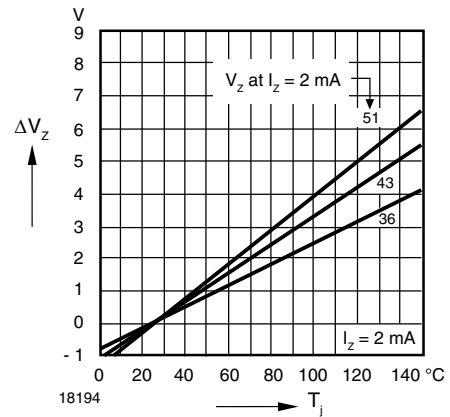


Fig. 10 - Change of Zener Voltage vs. Junction Temperature

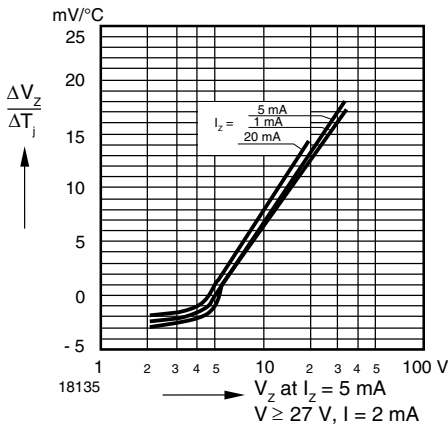


Fig. 8 - Temperature Dependence of Zener Voltage vs. Zener Voltage

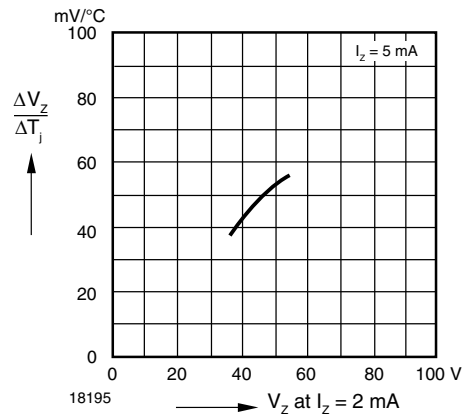


Fig. 11 - Temperature Dependence of Zener Voltage vs. Zener Voltage

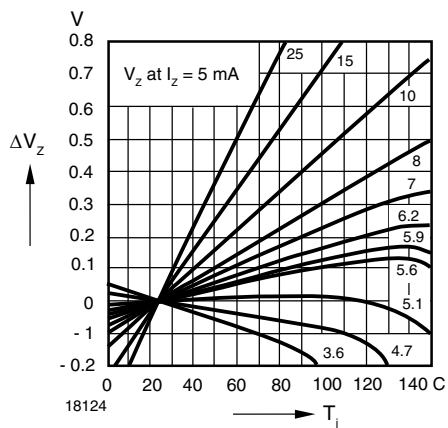


Fig. 9 - Change of Zener Voltage vs. Junction Temperature

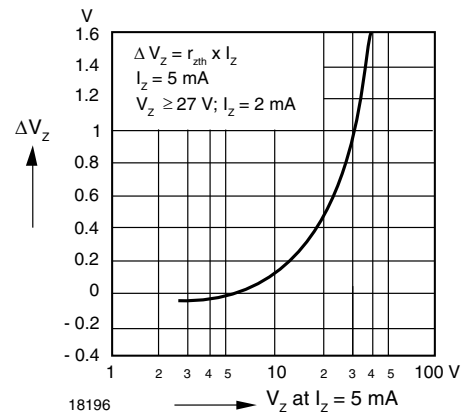


Fig. 12 - Change of Zener Voltage from Turn-on up to the Point of Thermal Equilibrium vs. Zener Voltage

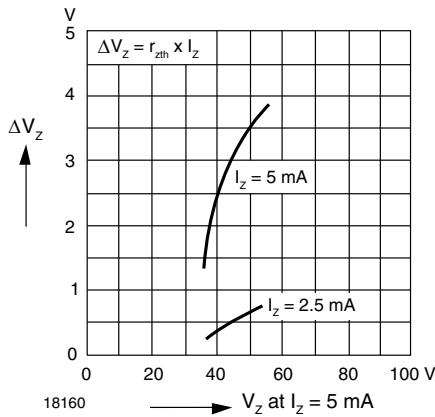


Fig. 13 - Change of Zener Voltage from Turn-on up to the Point of Thermal Equilibrium vs. Zener Voltage

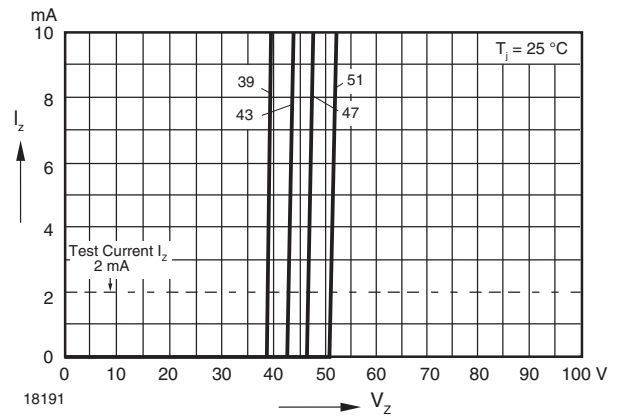


Fig. 16 - Breakdown Characteristics

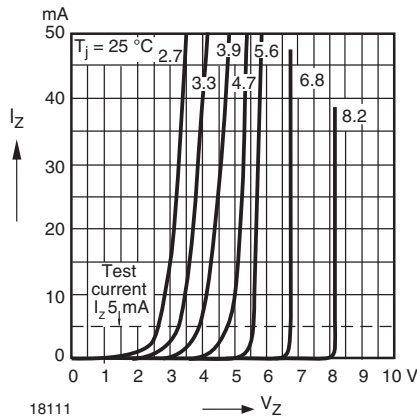


Fig. 14 - Breakdown Characteristics

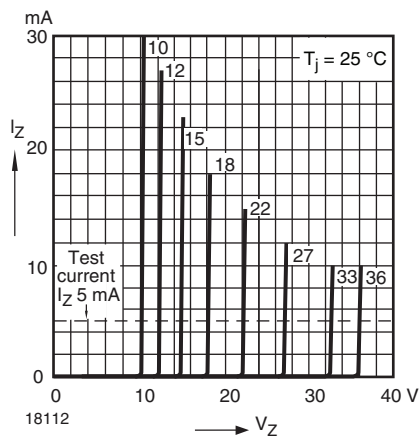
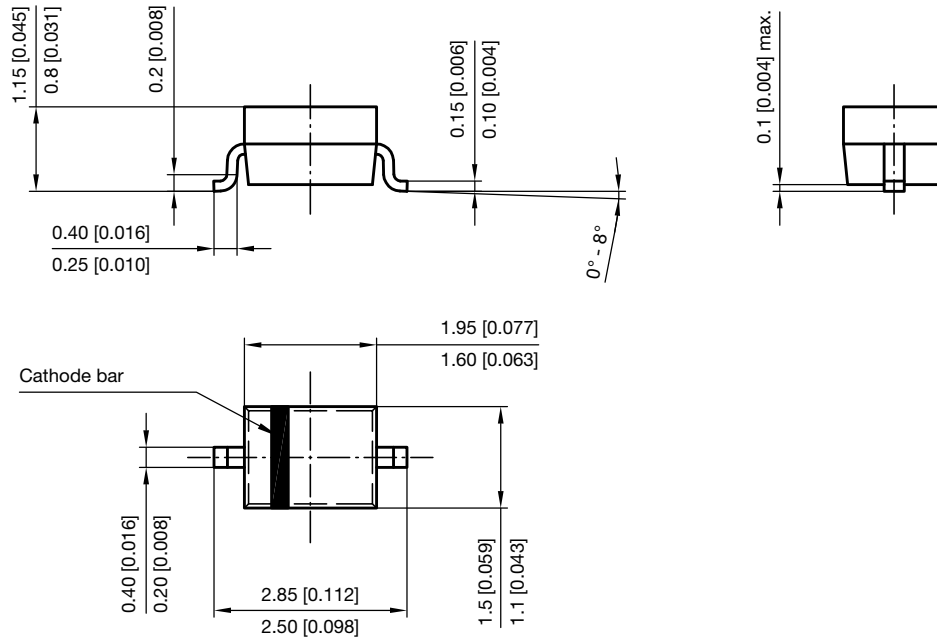


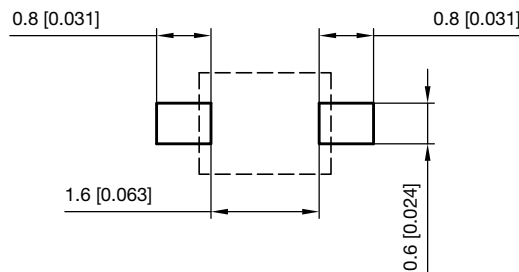
Fig. 15 - Breakdown Characteristics



**PACKAGE DIMENSIONS** in millimeters (inches): **SOD-323**



Footprint recommendation:



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