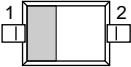
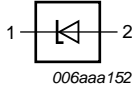


2. Pinning information

Table 2. Pinning

| Pin | Symbol | Description            | Simplified outline  | Graphic symbol  |
|-----|--------|------------------------|---|---|
| 1   | K      | cathode <sup>[1]</sup> |  |  |
| 2   | A      | anode                  |   |   |

[1] The marking bar indicates the cathode.

3. Ordering information

Table 3. Ordering information

| Type number                  | Package |  |         |
|------------------------------|---------|--|---------|
|                              | Name    | Description                              | Version |
| BZX384 series <sup>[1]</sup> | SC-76   | plastic surface-mounted package; 2 leads | SOD323  |

[1] The series includes 37 breakdown voltages with nominal working voltages from 2.4 V to 75 V and  $\pm 2\%$  and  $\pm 5\%$  tolerances.

4. Marking

Table 4. Marking codes

| Type number | Marking code | Type number | Marking code | Type number | Marking code | Type number | Marking code |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| BZX384-B2V4 | K1           | BZX384-B15  | M2           | BZX384-C2V4 | T3           | BZX384-C15  | DD           |
| BZX384-B2V7 | K2           | BZX384-B16  | M3           | BZX384-C2V7 | T4           | BZX384-C16  | DE           |
| BZX384-B3V0 | K3           | BZX384-B18  | M4           | BZX384-C3V0 | T5           | BZX384-C18  | DF           |
| BZX384-B3V3 | K4           | BZX384-B20  | M5           | BZX384-C3V3 | T6           | BZX384-C20  | DG           |
| BZX384-B3V6 | K5           | BZX384-B22  | M6           | BZX384-C3V6 | T7           | BZX384-C22  | DH           |
| BZX384-B3V9 | K6           | BZX384-B24  | M7           | BZX384-C3V9 | T8           | BZX384-C24  | DJ           |
| BZX384-B4V3 | K7           | BZX384-B27  | M8           | BZX384-C4V3 | T9           | BZX384-C27  | DK           |
| BZX384-B4V7 | K8           | BZX384-B30  | M9           | BZX384-C4V7 | T0           | BZX384-C30  | DL           |
| BZX384-B5V1 | K9           | BZX384-B33  | N0           | BZX384-C5V1 | D5           | BZX384-C33  | DM           |
| BZX384-B5V6 | L1           | BZX384-B36  | N1           | BZX384-C5V6 | D6           | BZX384-C36  | DN           |
| BZX384-B6V2 | L2           | BZX384-B39  | N2           | BZX384-C6V2 | T1           | BZX384-C39  | DP           |
| BZX384-B6V8 | L3           | BZX384-B43  | N3           | BZX384-C6V8 | D7           | BZX384-C43  | DR           |
| BZX384-B7V5 | L4           | BZX384-B47  | N4           | BZX384-C7V5 | D8           | BZX384-C47  | DS           |
| BZX384-B8V2 | L5           | BZX384-B51  | N5           | BZX384-C8V2 | D9           | BZX384-C51  | DT           |
| BZX384-B9V1 | L6           | BZX384-B56  | N6           | BZX384-C9V1 | D0           | BZX384-C56  | DU           |
| BZX384-B10  | L7           | BZX384-B62  | N7           | BZX384-C10  | T2           | BZX384-C62  | DV           |
| BZX384-B11  | L8           | BZX384-B68  | N8           | BZX384-C11  | DA           | BZX384-C68  | DW           |
| BZX384-B12  | L9           | BZX384-B75  | N9           | BZX384-C12  | DB           | BZX384-C75  | DX           |
| BZX384-B13  | M1           | -           | -            | BZX384-C13  | DC           | -           | -            |

## 5. Limiting values

**Table 5. Limiting values**

*In accordance with the Absolute Maximum Rating System (IEC 60134).*

| Symbol    | Parameter                                     | Conditions                      | Min | Max   | Unit |
|-----------|---|---------------------------------|-----|---|------|
| $I_F$     | forward current                               |                                 | -   | 250   | mA   |
| $I_{ZSM}$ | non-repetitive peak reverse current           | [1]                             | -   | see <a href="#">Table 8</a> and <a href="#">9</a> |      |
| $P_{ZSM}$ | non-repetitive peak reverse power dissipation | [1]                             | -   | 40  | W    |
| $P_{tot}$ | total power dissipation                       | $T_{amb} \leq 25\text{ °C}$ [2] | -   | 300   | mW   |
| $T_j$     | junction temperature                          |                                 | -65 | +150  | °C   |
| $T_{amb}$ | ambient temperature                           |                                 | -65 | +150  | °C   |
| $T_{stg}$ | storage temperature                           |                                 | -65 | +150  | °C   |

[1]  $t_p = 100\text{ }\mu\text{s}$ ; square wave;  $T_j = 25\text{ °C}$  before surge

[2] Device mounted on a FR4 PCB, single-sided copper, tin-plated and standard footprint.

## 6. Thermal characteristics

**Table 6. Thermal characteristics**

| Symbol         | Parameter  | Conditions      | Min | Typ | Max | Unit |
|----------------|--|-----------------|-----|-----|-----|------|
| $R_{th(j-a)}$  | thermal resistance from junction to ambient      | in free air [1] | -   | -   | 415 | K/W  |
| $R_{th(j-sp)}$ | thermal resistance from junction to solder point | [2]             | -   | -   | 110 | K/W  |

[1] Device mounted on a FR4 PCB, single-sided copper, tin-plated and standard footprint.

[2] Soldering point of cathode tab.

## 7. Characteristics

**Table 7. Characteristics**

$T_j = 25\text{ °C}$  unless otherwise specified.

| Symbol | Parameter       | Conditions                | Min | Typ | Max | Unit |
|--------|-----------------|---------------------------|-----|-----|-----|------|
| $V_F$  | forward voltage | $I_F = 10\text{ mA}$ [1]  | -   | -   | 0.9 | V    |
|        |                 | $I_F = 100\text{ mA}$ [1] | -   | -   | 1.1 | V    |

[1] Pulse test:  $t_p \leq 100\text{ }\mu\text{s}$ ;  $\delta \leq 0.02$

**Table 8. Characteristics per type; BZX384-B2V4 to BZX384-C24** $T_j = 25\text{ }^{\circ}\text{C}$  unless otherwise specified.

| BZX384<br>-xxx | Sel | Working<br>voltage<br>V <sub>Z</sub> (V) |      | Differential resistance<br>r <sub>diff</sub> (Ω) |     |                       |     | Reverse<br>current<br>I <sub>R</sub> (μA) |                    | Temperature<br>coefficient<br>S <sub>Z</sub> (mV/K) |      |      | Diode<br>capacitance<br>C <sub>d</sub> (pF) <sup>[1]</sup> | Non-repetitive<br>peak reverse<br>current<br>I <sub>ZSM</sub> (A) <sup>[2]</sup> |
|----------------|-----|--|------|--|-----|-----------------------|-----|---|--------------------|---|------|------|--|--|
|                |     | I <sub>Z</sub> = 5 mA                    |      | I <sub>Z</sub> = 1 mA                            |     | I <sub>Z</sub> = 5 mA |     |   |                    | I <sub>Z</sub> = 5 mA                               |      |      |  |  |
|                |     | Min                                      | Max  | Typ  | Max | Typ                   | Max | Max                                       | V <sub>R</sub> (V) | Min   | Typ  | Max  | Max  | Max  |
| 2V4            | B   | 2.35                                     | 2.45 | 275  | 600 | 70                    | 100 | 50  | 1                  | −3.5  | −1.6 | 0    | 450  | 6.0  |
|                | C   | 2.2                                      | 2.6  |  |     |                       |     |   |                    |   |      |      |  |  |
| 2V7            | B   | 2.65                                     | 2.75 | 300  | 600 | 75                    | 100 | 20  | 1                  | −3.5  | −2.0 | 0    | 450  | 6.0  |
|                | C   | 2.5                                      | 2.9  |  |     |                       |     |   |                    |   |      |      |  |  |
| 3V0            | B   | 2.94                                     | 3.06 | 325  | 600 | 80                    | 95  | 10  | 1                  | −3.5  | −2.1 | 0    | 450  | 6.0  |
|                | C   | 2.8                                      | 3.2  |  |     |                       |     |   |                    |   |      |      |  |  |
| 3V3            | B   | 3.23                                     | 3.37 | 350  | 600 | 85                    | 95  | 5   | 1                  | −3.5  | −2.4 | 0    | 450  | 6.0  |
|                | C   | 3.1                                      | 3.5  |  |     |                       |     |   |                    |   |      |      |  |  |
| 3V6            | B   | 3.53                                     | 3.67 | 375  | 600 | 85                    | 90  | 5   | 1                  | −3.5  | −2.4 | 0    | 450  | 6.0  |
|                | C   | 3.4                                      | 3.8  |  |     |                       |     |   |                    |   |      |      |  |  |
| 3V9            | B   | 3.82                                     | 3.98 | 400  | 600 | 85                    | 90  | 3   | 1                  | −3.5  | −2.5 | 0    | 450  | 6.0  |
|                | C   | 3.7                                      | 4.1  |  |     |                       |     |   |                    |   |      |      |  |  |
| 4V3            | B   | 4.21                                     | 4.39 | 410  | 600 | 80                    | 90  | 3   | 1                  | −3.5  | −2.5 | 0    | 450  | 6.0  |
|                | C   | 4.0                                      | 4.6  |  |     |                       |     |   |                    |   |      |      |  |  |
| 4V7            | B   | 4.61                                     | 4.79 | 425  | 500 | 50                    | 80  | 3   | 2                  | −3.5  | −1.4 | 0.2  | 300  | 6.0  |
|                | C   | 4.4                                      | 5.0  |  |     |                       |     |   |                    |   |      |      |  |  |
| 5V1            | B   | 5.0                                      | 5.2  | 400  | 480 | 40                    | 60  | 2   | 2                  | −2.7  | −0.8 | 1.2  | 300  | 6.0  |
|                | C   | 4.8                                      | 5.4  |  |     |                       |     |   |                    |   |      |      |  |  |
| 5V6            | B   | 5.49                                     | 5.71 | 80   | 400 | 15                    | 40  | 1   | 2                  | −2.0  | 1.2  | 2.5  | 300  | 6.0  |
|                | C   | 5.2                                      | 6.0  |  |     |                       |     |   |                    |   |      |      |  |  |
| 6V2            | B   | 6.08                                     | 6.32 | 40   | 150 | 6                     | 10  | 3   | 4                  | 0.4   | 2.3  | 3.7  | 200  | 6.0  |
|                | C   | 5.8                                      | 6.6  |  |     |                       |     |   |                    |   |      |      |  |  |
| 6V8            | B   | 6.66                                     | 6.94 | 30   | 80  | 6                     | 15  | 2   | 4                  | 1.2   | 3.0  | 4.5  | 200  | 6.0  |
|                | C   | 6.4                                      | 7.2  |  |     |                       |     |   |                    |   |      |      |  |  |
| 7V5            | B   | 7.35                                     | 7.65 | 30   | 80  | 6                     | 15  | 1   | 5                  | 2.5   | 4.0  | 5.3  | 150  | 4.0  |
|                | C   | 7.0                                      | 7.9  |  |     |                       |     |   |                    |   |      |      |  |  |
| 8V2            | B   | 8.04                                     | 8.36 | 40   | 80  | 6                     | 15  | 0.7                                       | 5                  | 3.2   | 4.6  | 6.2  | 150  | 4.0  |
|                | C   | 7.7                                      | 8.7  |  |     |                       |     |   |                    |   |      |      |  |  |
| 9V1            | B   | 8.92                                     | 9.28 | 40   | 100 | 6                     | 15  | 0.5                                       | 6                  | 3.8   | 5.5  | 7.0  | 150  | 3.0  |
|                | C   | 8.5                                      | 9.6  |  |     |                       |     |   |                    |   |      |      |  |  |
| 10             | B   | 9.8                                      | 10.2 | 50   | 150 | 8                     | 20  | 0.2                                       | 7                  | 4.5   | 6.4  | 8.0  | 90   | 3.0  |
|                | C   | 9.4                                      | 10.6 |  |     |                       |     |   |                    |   |      |      |  |  |
| 11             | B   | 10.8                                     | 11.2 | 50   | 150 | 10                    | 20  | 0.1                                       | 8                  | 5.4   | 7.4  | 9.0  | 85   | 2.5  |
|                | C   | 10.4                                     | 11.6 |  |     |                       |     |   |                    |   |      |      |  |  |
| 12             | B   | 11.8                                     | 12.2 | 50   | 150 | 10                    | 25  | 0.1                                       | 8                  | 6.0   | 8.4  | 10.0 | 85   | 2.5  |
|                | C   | 11.4                                     | 12.7 |  |     |                       |     |   |                    |   |      |      |  |  |

**Table 8. Characteristics per type; BZX384-B2V4 to BZX384-C24 ...continued** $T_j = 25\text{ }^{\circ}\text{C}$  unless otherwise specified.

| BZX384<br>-xxx | Sel | Working<br>voltage<br>V <sub>Z</sub> (V) |      | Differential resistance<br>r <sub>diff</sub> (Ω) |     |                       |     | Reverse<br>current<br>I <sub>R</sub> (μA) |                    | Temperature<br>coefficient<br>S <sub>Z</sub> (mV/K) |      |      | Diode<br>capacitance<br>C <sub>d</sub> (pF) <sup>[1]</sup> | Non-repetitive<br>peak reverse<br>current<br>I <sub>ZSM</sub> (A) <sup>[2]</sup> |
|----------------|-----|--|------|--|-----|-----------------------|-----|---|--------------------|---|------|------|--|--|
|                |     |  |      | I <sub>Z</sub> = 5 mA                            |     | I <sub>Z</sub> = 1 mA |     |   |                    | I <sub>Z</sub> = 5 mA                               |      |      |  |  |
|                |     | Min                                      | Max  | Typ  | Max | Typ                   | Max | Max                                       | V <sub>R</sub> (V) | Min   | Typ  | Max  | Max  | Max  |
| 13             | B   | 12.7                                     | 13.3 | 50   | 170 | 10                    | 30  | 0.1                                       | 8                  | 7.0   | 9.4  | 11.0 | 80   | 2.5  |
|                | C   | 12.4                                     | 14.1 |  |     |                       |     |   |                    |   |      |      |  |  |
| 15             | B   | 14.7                                     | 15.3 | 50   | 200 | 10                    | 30  | 0.05                                      | 10.5               | 9.2   | 11.4 | 13.0 | 75   | 2.0  |
|                | C   | 13.8                                     | 15.6 |  |     |                       |     |   |                    |   |      |      |  |  |
| 16             | B   | 15.7                                     | 16.3 | 50   | 200 | 10                    | 40  | 0.05                                      | 11.2               | 10.4  | 12.4 | 14.0 | 75   | 1.5  |
|                | C   | 15.3                                     | 17.1 |  |     |                       |     |   |                    |   |      |      |  |  |
| 18             | B   | 17.6                                     | 18.4 | 50   | 225 | 10                    | 45  | 0.05                                      | 12.6               | 12.4  | 14.4 | 16.0 | 70   | 1.5  |
|                | C   | 16.8                                     | 19.1 |  |     |                       |     |   |                    |   |      |      |  |  |
| 20             | B   | 19.6                                     | 20.4 | 60   | 225 | 15                    | 55  | 0.05                                      | 14                 | 14.4  | 16.4 | 18.0 | 60   | 1.5  |
|                | C   | 18.8                                     | 21.2 |  |     |                       |     |   |                    |   |      |      |  |  |
| 22             | B   | 21.6                                     | 22.4 | 60   | 250 | 20                    | 55  | 0.05                                      | 15.4               | 16.4  | 18.4 | 20.0 | 60   | 1.25   |
|                | C   | 20.8                                     | 23.3 |  |     |                       |     |   |                    |   |      |      |  |  |
| 24             | B   | 23.5                                     | 24.5 | 60   | 250 | 25                    | 70  | 0.05                                      | 16.8               | 18.4  | 20.4 | 22.0 | 55   | 1.25   |
|                | C   | 22.8                                     | 25.6 |  |     |                       |     |   |                    |   |      |      |  |  |

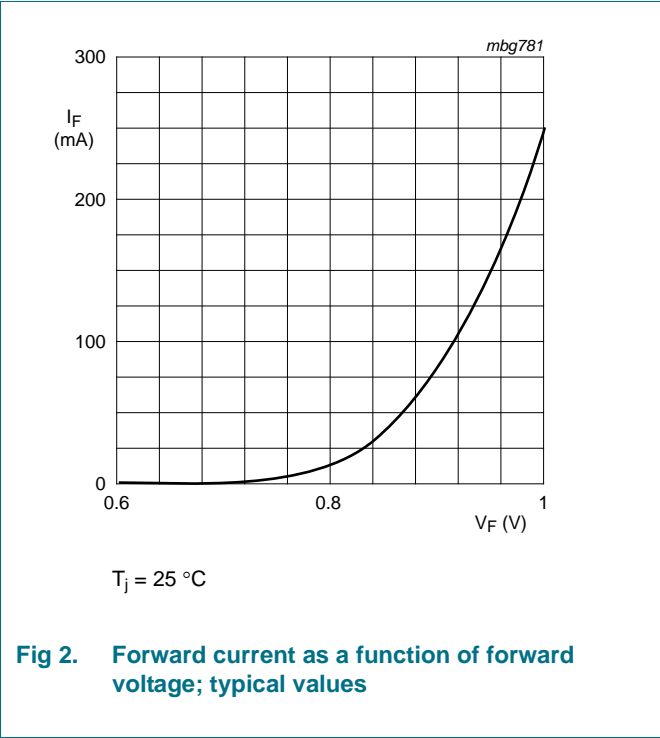
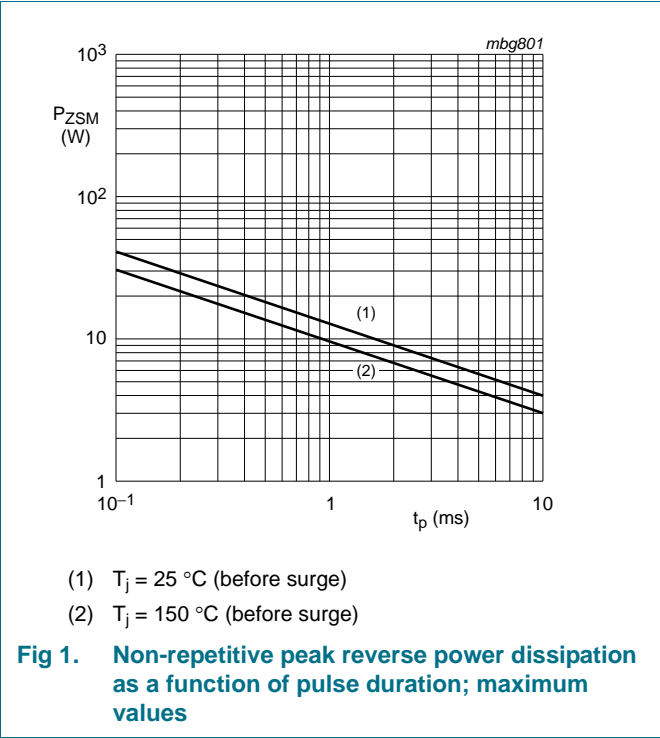
[1]  $f = 1\text{ MHz}$ ;  $V_R = 0\text{ V}$ [2]  $t_p = 100\text{ }\mu\text{s}$ ; square wave;  $T_j = 25\text{ }^{\circ}\text{C}$  before surge**Table 9. Characteristics per type; BZX384-B27 to BZX384-C75** $T_j = 25\text{ }^{\circ}\text{C}$  unless otherwise specified.

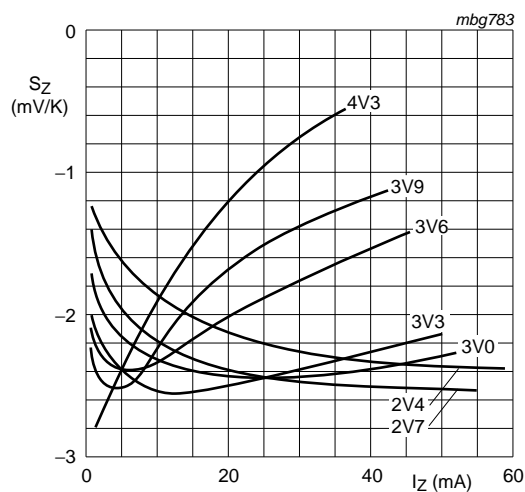
| BZX384<br>-xxx | Sel | Working<br>voltage<br>V <sub>Z</sub> (V) |      | Differential resistance<br>r <sub>diff</sub> (Ω) |     |                       |     | Reverse<br>current<br>I <sub>R</sub> (μA) |                    | Temperature<br>coefficient<br>S <sub>Z</sub> (mV/K) |      |      | Diode<br>capacitance<br>C <sub>d</sub> (pF) <sup>[1]</sup> | Non-repetitive<br>peak reverse<br>current<br>I <sub>ZSM</sub> (A) <sup>[2]</sup> |
|----------------|-----|--|------|--|-----|-----------------------|-----|---|--------------------|---|------|------|--|--|
|                |     | I <sub>Z</sub> = 2 mA                    |      | I <sub>Z</sub> = 0.5 mA                          |     | I <sub>Z</sub> = 2 mA |     |   |                    | I <sub>Z</sub> = 2 mA                               |      |      |  |  |
|                |     | Min                                      | Max  | Typ  | Max | Typ                   | Max | Max                                       | V <sub>R</sub> (V) | Min   | Typ  | Max  | Max  | Max  |
| 27             | B   | 26.5                                     | 27.5 | 65   | 300 | 25                    | 80  | 0.05                                      | 18.9               | 21.4  | 23.4 | 25.3 | 50   | 1.0  |
|                | C   | 25.1                                     | 28.9 |  |     |                       |     |   |                    |   |      |      |  |  |
| 30             | B   | 29.4                                     | 30.6 | 70   | 300 | 30                    | 80  | 0.05                                      | 21                 | 24.4  | 26.6 | 29.4 | 50   | 1.0  |
|                | C   | 28.0                                     | 32.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 33             | B   | 32.3                                     | 33.7 | 75   | 325 | 35                    | 80  | 0.05                                      | 23.1               | 27.4  | 29.7 | 33.4 | 45   | 0.9  |
|                | C   | 31.0                                     | 35.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 36             | B   | 35.3                                     | 36.7 | 80   | 350 | 35                    | 90  | 0.05                                      | 25.2               | 30.4  | 33.0 | 37.4 | 45   | 0.8  |
|                | C   | 34.0                                     | 38.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 39             | B   | 38.2                                     | 39.8 | 80   | 350 | 40                    | 130 | 0.05                                      | 27.3               | 33.4  | 36.4 | 41.2 | 45   | 0.7  |
|                | C   | 37.0                                     | 41.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 43             | B   | 42.1                                     | 43.9 | 85   | 375 | 45                    | 150 | 0.05                                      | 30.1               | 37.6  | 41.2 | 46.6 | 40   | 0.6  |
|                | C   | 40.0                                     | 46.0 |  |     |                       |     |   |                    |   |      |      |  |  |

Table 9. Characteristics per type; BZX384-B27 to BZX384-C75 ...continued  
T<sub>j</sub> = 25 °C unless otherwise specified.

| BZX384<br>-xxx | Sel | Working<br>voltage<br>V <sub>Z</sub> (V) |      | Differential resistance<br>r <sub>diff</sub> (Ω) |     |                       |     | Reverse<br>current<br>I <sub>R</sub> (μA) |                    | Temperature<br>coefficient<br>S <sub>Z</sub> (mV/K) |      |      | Diode<br>capacitance<br>C <sub>d</sub> (pF) <sup>[1]</sup> | Non-repetitive<br>peak reverse<br>current<br>I <sub>ZSM</sub> (A) <sup>[2]</sup> |
|----------------|-----|--|------|--|-----|-----------------------|-----|---|--------------------|---|------|------|--|--|
|                |     | I <sub>Z</sub> = 2 mA                    |      | I <sub>Z</sub> = 0.5 mA                          |     | I <sub>Z</sub> = 2 mA |     |   |                    |   |      |      |  |  |
|                |     | Min                                      | Max  | Typ  | Max | Typ                   | Max | Max                                       | V <sub>R</sub> (V) | Min   | Typ  | Max  | Max  | Max  |
| 47             | B   | 46.1                                     | 47.9 | 85   | 375 | 50                    | 170 | 0.05                                      | 32.9               | 42.0  | 46.1 | 51.8 | 40   | 0.5  |
|                | C   | 44.0                                     | 50.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 51             | B   | 50.0                                     | 52.0 | 90   | 400 | 60                    | 180 | 0.05                                      | 35.7               | 46.6  | 51.0 | 57.2 | 40   | 0.4  |
|                | C   | 48.0                                     | 54.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 56             | B   | 54.9                                     | 57.1 | 100  | 425 | 70                    | 200 | 0.05                                      | 39.2               | 52.2  | 57.0 | 63.8 | 40   | 0.3  |
|                | C   | 52.0                                     | 60.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 62             | B   | 60.8                                     | 63.2 | 120  | 450 | 80                    | 215 | 0.05                                      | 43.4               | 58.8  | 64.4 | 71.6 | 35   | 0.3  |
|                | C   | 58.0                                     | 66.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 68             | B   | 66.6                                     | 69.4 | 150  | 475 | 90                    | 240 | 0.05                                      | 47.6               | 65.6  | 71.7 | 79.8 | 35   | 0.25   |
|                | C   | 64.0                                     | 72.0 |  |     |                       |     |   |                    |   |      |      |  |  |
| 75             | B   | 73.5                                     | 76.5 | 170  | 500 | 95                    | 255 | 0.05                                      | 52.5               | 73.4  | 80.2 | 88.6 | 35   | 0.20   |
|                | C   | 70.0                                     | 79.0 |  |     |                       |     |   |                    |   |      |      |  |  |

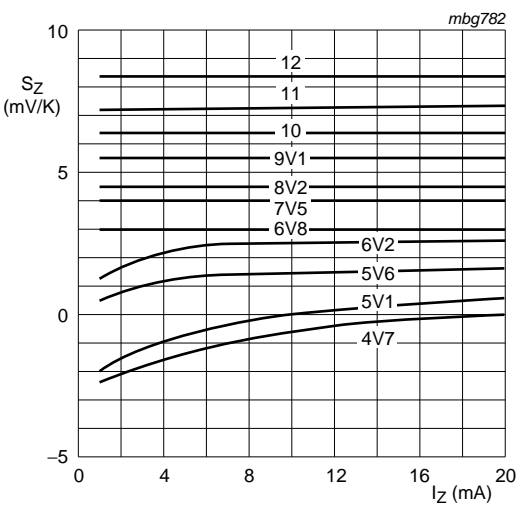
- [1] f = 1 MHz; V<sub>R</sub> = 0 V  
[2] t<sub>p</sub> = 100 μs; square wave; T<sub>j</sub> = 25 °C before surge





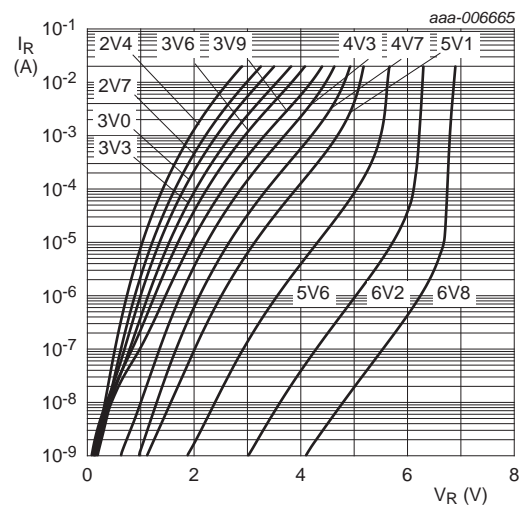
BZX384-B/C2V4 to BZX384-B/C4V3  
 $T_j = 25\text{ }^{\circ}\text{C}$  to  $150\text{ }^{\circ}\text{C}$

Fig 3. Temperature coefficient as a function of working current; typical values



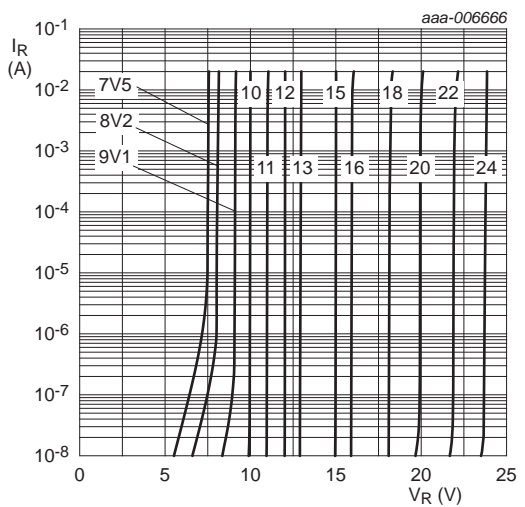
BZX384-B/C4V7 to BZX384-B/C12  
 $T_j = 25\text{ }^{\circ}\text{C}$  to  $150\text{ }^{\circ}\text{C}$

Fig 4. Temperature coefficient as a function of working current; typical values



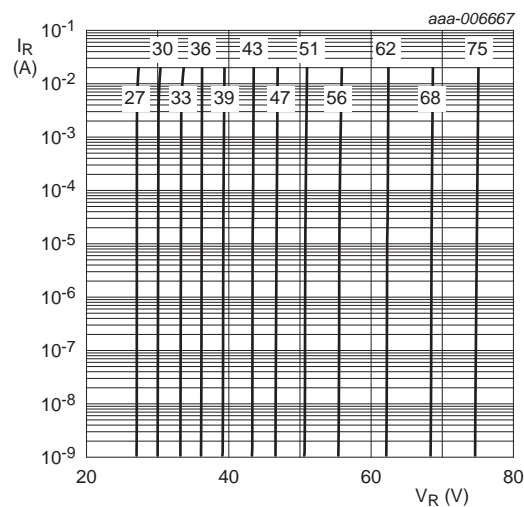
BZX384-B/C2V4 to BZX384-B/C6V8  
 $T_{\text{amb}} = 25\text{ }^{\circ}\text{C}$

Fig 5. Reverse current as a function of reverse voltage; typical values



BZX384-B/C7V5 to BZX384-B/C24  
 $T_{\text{amb}} = 25\text{ }^{\circ}\text{C}$

Fig 6. Reverse current as a function of reverse voltage; typical values



BZX384-B/C27 to BZX384-B/C75  
 $T_{amb} = 25\text{ }^{\circ}\text{C}$

Fig 7. Reverse current as a function of reverse voltage; typical values

8. Test information

8.1 Quality information

This product has been qualified in accordance with the Automotive Electronics Council (AEC) standard Q101 - Stress test qualification for discrete semiconductors, and is suitable for use in automotive applications.

9. Package outline

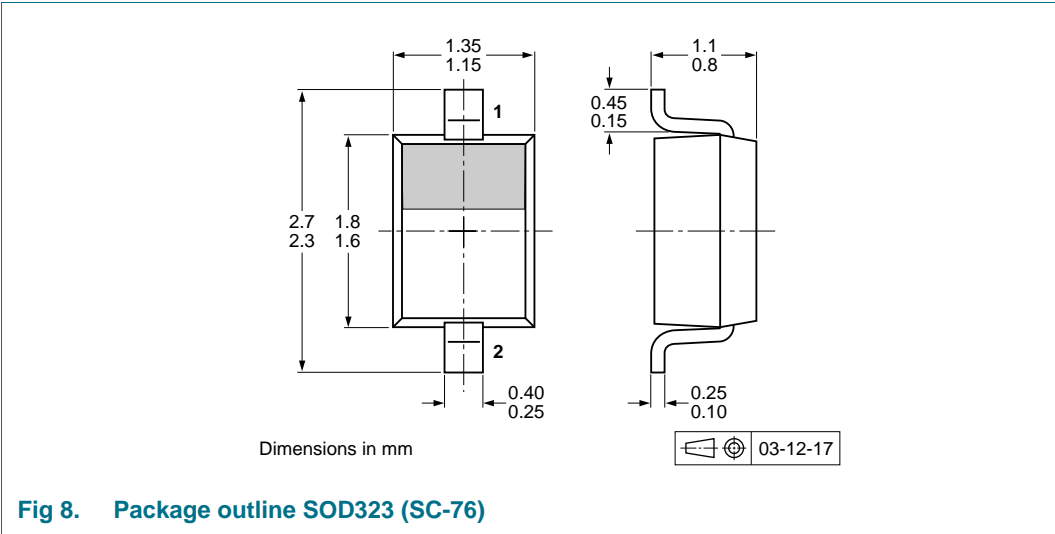
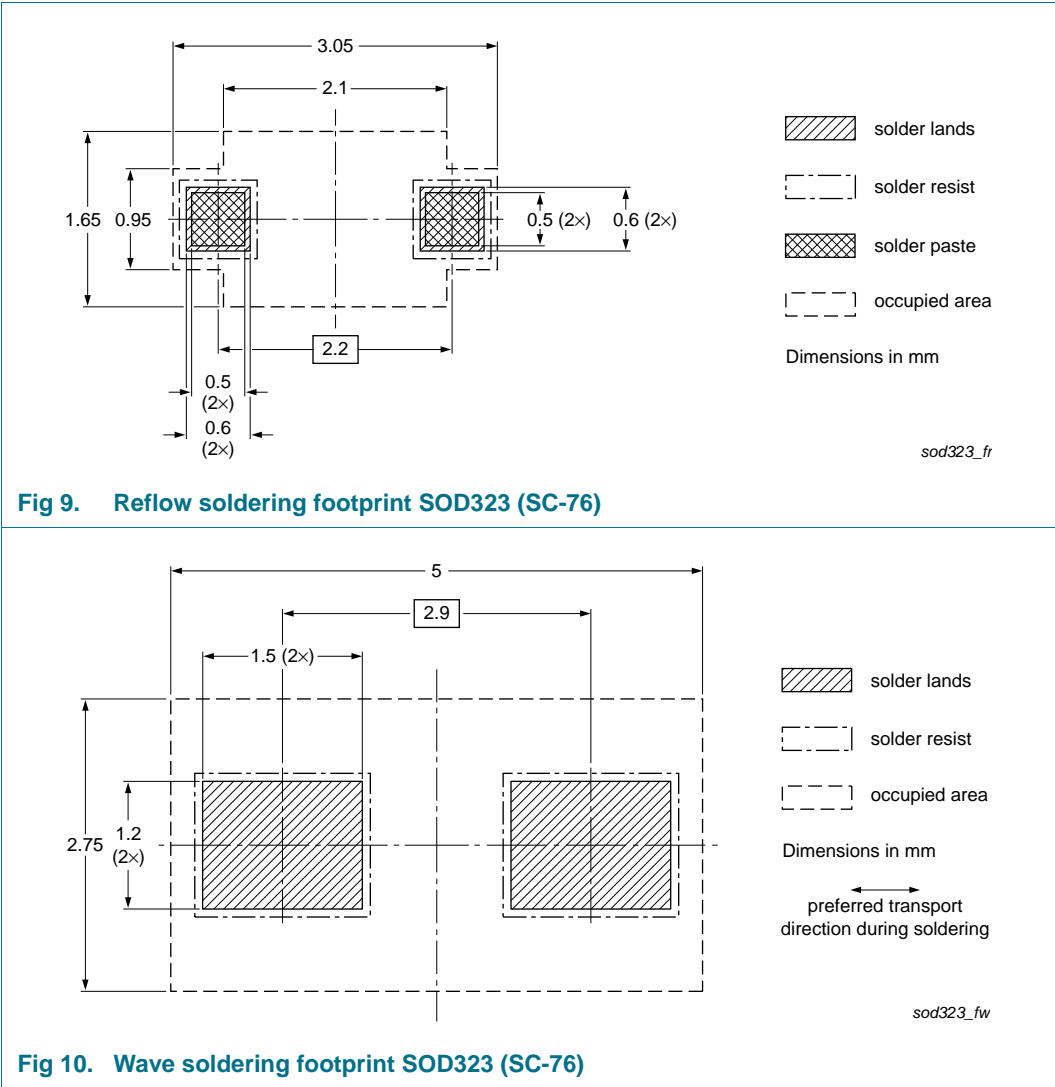


Fig 8. Package outline SOD323 (SC-76)

10. Soldering





## 11. Revision history

Table 10. Revision history

| Document ID    | Release date  | Data sheet status     | Change notice | Supersedes     |
|----------------|---|-----------------------|---------------|----------------|
| BZX384_SER v.3 | 20161011  | Product data sheet    | -             | BZX384_SER v.2 |
| Modifications: | <ul style="list-style-type: none"><li>• The format of this data sheet has been redesigned to comply with the new identity guidelines of NXP Semiconductors</li><li>• Legal texts have been adapted to the new company name where appropriate.</li><li>• <a href="#">Section 1 “Product profile”</a>: enhanced.</li><li>• <a href="#">Table 5</a>: T<sub>amb</sub> added.</li><li>• <a href="#">Figure 5</a> to <a href="#">Figure 7</a>: added.</li><li>• <a href="#">Section 8 “Test information”</a>: added.</li><li>• <a href="#">Figure 9</a>: replaced by minimized package outline.</li><li>• <a href="#">Section 10 “Soldering”</a>: added.</li><li>• <a href="#">Section 12 “Legal information”</a>: updated.</li></ul> |                       |               |                |
| BZX384_SER v.2 | 20040322  | Product data sheet    | -             | BZX384_SER v.1 |
| BZX384_SER v.1 | 20030401  | Product specification | -             | -              |

## 12. Legal information

### 12.1 Data sheet status

| Document status <sup>[1][2]</sup> | Product status <sup>[3]</sup> | Definition  |
|-----------------------------------|-------------------------------|---|
| Objective [short] data sheet      | Development                   | This document contains data from the objective specification for product development. |
| Preliminary [short] data sheet    | Qualification                 | This document contains data from the preliminary specification.                       |
| Product [short] data sheet        | Production                    | This document contains the product specification.                                     |

[1] Please consult the most recently issued document before initiating or completing a design.

[2] The term 'short data sheet' is explained in section "Definitions".

[3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL <http://www.nexperia.com>.

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**Quick reference data** — The Quick reference data is an extract of the product data given in the Limiting values and Characteristics sections of this document, and as such is not complete, exhaustive or legally binding.

**Translations** — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

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## 13. Contact information

For more information, please visit: <http://www.nexperia.com>

For sales office addresses, please send an email to: [salesaddresses@nexperia.com](mailto:salesaddresses@nexperia.com)

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