



BZX84-Q series

Voltage regulator diodes

Rev. 1 — 29 September 2021

Product data sheet

1. General description

Low-power voltage regulator diodes in a small SOT23 (TO-236AB) Surface-Mounted Device (SMD) plastic package.

The diodes are available in the normalized E24 $\pm 1\%$ (BZX84-A), $\pm 2\%$ (BZX84-B) and approximately $\pm 5\%$ (BZX84-C) tolerance range. The series includes 37 breakdown voltages with nominal working voltages from 2.4 V to 75 V.

2. Features and benefits

- Total power dissipation: ≤ 250 mW
- Three tolerance series: $\pm 1\%$, $\pm 2\%$ and approximately $\pm 5\%$
- Working voltage range: nominal 2.4 V to 75 V (E24 range)
- Non-repetitive peak reverse power dissipation: ≤ 40 W
- Qualified according to AEC-Q101 and recommended for use in automotive applications

3. Applications

- General regulation functions

4. Quick reference data

Table 1. Quick reference data

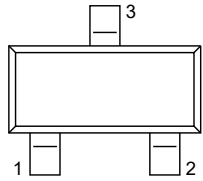
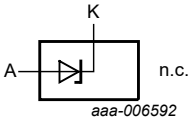
| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|-----------|-------------------------|----------------------|-------|-----|-----|------|
| V_F | forward voltage | $I_F = 10$ mA | [1] - | - | 0.9 | V |
| P_{tot} | total power dissipation | $T_{amb} \leq 25$ °C | [2] - | - | 250 | mW |

[1] Pulse test: $t_p \leq 100$ μ s; $\delta \leq 0.02$.

[2] Device mounted on an FR4 Printed-Circuit Board (PCB), single-sided copper, tin-plated and standard footprint.

5. Pinning information

Table 2. Pinning

| Pin | Symbol | Description | Simplified outline | Graphic symbol |
|-----|--------|---------------|--|---|
| 1 | A | anode |  |  aaa-006592 |
| 2 | n.c. | not connected | | |
| 3 | K | cathode | | |

6. Ordering information

Table 3. Ordering information

| Type number | Package | | |
|-------------------|----------|--|---------|
| | Name | Description | Version |
| BZX84-Q series[1] | TO-236AB | plastic surface-mounted package; 3 leads | SOT23 |

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

7. Marking

Table 4. Marking codes

| Type number | Marking code | Type number | Marking code | Type number | Marking code |
|--------------|--------------|--------------|--------------|--------------|--------------|
| BZX84-A2V4-Q | %50 | BZX84-B2V4-Q | %Z0 | BZX84-C2V4-Q | %T3 |
| BZX84-A2V7-Q | %51 | BZX84-B2V7-Q | %Z1 | BZX84-C2V7-Q | %T4 |
| BZX84-A3V0-Q | %52 | BZX84-B3V0-Q | %S1 | BZX84-C3V0-Q | %T9 |
| BZX84-A3V3-Q | %53 | BZX84-B3V3-Q | %S2 | BZX84-C3V3-Q | %B1 |
| BZX84-A3V6-Q | %C1 | BZX84-B3V6-Q | %S3 | BZX84-C3V6-Q | %B2 |
| BZX84-A3V9-Q | %55 | BZX84-B3V9-Q | %S4 | BZX84-C3V9-Q | %B3 |
| BZX84-A4V3-Q | %56 | BZX84-B4V3-Q | %S7 | BZX84-C4V3-Q | %B6 |
| BZX84-A4V7-Q | %57 | BZX84-B4V7-Q | %S8 | BZX84-C4V7-Q | Z1% |
| BZX84-A5V1-Q | %58 | BZX84-B5V1-Q | %R1 | BZX84-C5V1-Q | Z2% |
| BZX84-A5V6-Q | %59 | BZX84-B5V6-Q | %R2 | BZX84-C5V6-Q | Z3% |
| BZX84-A6V2-Q | %60 | BZX84-B6V2-Q | %R5 | BZX84-C6V2-Q | Z4% |
| BZX84-A6V8-Q | %61 | BZX84-B6V8-Q | %R6 | BZX84-C6V8-Q | Z5% |
| BZX84-A7V5-Q | %62 | BZX84-B7V5-Q | %R8 | BZX84-C7V5-Q | Z6% |
| BZX84-A8V2-Q | %63 | BZX84-B8V2-Q | %R9 | BZX84-C8V2-Q | Z7% |
| BZX84-A9V1-Q | %64 | BZX84-B9V1-Q | %T1 | BZX84-C9V1-Q | Z8% |
| BZX84-A10-Q | %65 | BZX84-B10-Q | %66 | BZX84-C10-Q | Z9% |
| BZX84-A11-Q | %04 | BZX84-B11-Q | %Z6 | BZX84-C11-Q | Y1% |
| BZX84-A12-Q | %67 | BZX84-B12-Q | %Z7 | BZX84-C12-Q | Y2% |
| BZX84-A13-Q | %C0 | BZX84-B13-Q | %Z8 | BZX84-C13-Q | Y3% |
| BZX84-A15-Q | %69 | BZX84-B15-Q | %Z9 | BZX84-C15-Q | Y4% |
| BZX84-A16-Q | KE% | BZX84-B16-Q | %70 | BZX84-C16-Q | Y5% |
| BZX84-A18-Q | KF% | BZX84-B18-Q | %71 | BZX84-C18-Q | Y6% |
| BZX84-A20-Q | %C2 | BZX84-B20-Q | %72 | BZX84-C20-Q | Y7% |
| BZX84-A22-Q | KG% | BZX84-B22-Q | %73 | BZX84-C22-Q | Y8% |
| BZX84-A24-Q | KH% | BZX84-B24-Q | %74 | BZX84-C24-Q | Y9% |
| BZX84-A27-Q | %75 | BZX84-B27-Q | %Z5 | BZX84-C27-Q | %T2 |
| BZX84-A30-Q | KJ% | BZX84-B30-Q | %Z4 | BZX84-C30-Q | %T5 |
| BZX84-A33-Q | KK% | BZX84-B33-Q | %Y1 | BZX84-C33-Q | %T6 |
| BZX84-A36-Q | %C3 | BZX84-B36-Q | %Y2 | BZX84-C36-Q | %T7 |
| BZX84-A39-Q | %C4 | BZX84-B39-Q | %S0 | BZX84-C39-Q | %T8 |
| BZX84-A43-Q | %C5 | BZX84-B43-Q | %S5 | BZX84-C43-Q | %B4 |
| BZX84-A51-Q | %C6 | BZX84-B47-Q | %S6 | BZX84-C47-Q | %B5 |
| BZX84-A75-Q | %86 | BZX84-B51-Q | %S9 | BZX84-C51-Q | %B7 |
| - | - | BZX84-B56-Q | %R0 | BZX84-C56-Q | %B8 |
| - | - | BZX84-B62-Q | %R3 | BZX84-C62-Q | %B9 |
| - | - | BZX84-B68-Q | %R4 | BZX84-C68-Q | %B0 |
| - | - | BZX84-B75-Q | %R7 | BZX84-C75-Q | %A1 |

8. 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 | | - | 200 | mA |
| P_{ZSM} | non-repetitive peak reverse power dissipation | | [1] - | 40 | W |
| P_{tot} | total power dissipation | $T_{amb} \leq 25\text{ °C}$ | [2] - | 250 | mW |
| T_j | junction temperature | | - | 150 | °C |
| T_{amb} | ambient temperature | | -55 | +150 | °C |
| T_{stg} | storage temperature | | -65 | +150 | °C |

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

[2] Device mounted on an FR4 PCB, single-sided 70 μm copper, tin-plated and standard footprint.

9. 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] - | - | 500 | K/W |
| $R_{th(j-sp)}$ | thermal resistance from junction to solder point | | [2] - | - | 330 | K/W |

[1] Device mounted on an FR4 PCB, single-sided 70 μm copper, tin-plated and standard footprint.

[2] Soldering point of cathode tab.

10. 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 |

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

Table 8. Characteristics per type; BZX84-A2V4-Q to BZX84-C24-Q

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

| BZX84-xxx | Sel | Working voltage V_Z (V) $I_Z = 5\text{ mA}$ | | Maximum differential resistance r_{dif} (Ω) | | Reverse current I_R (μA) | | Temperature coefficient S_Z (mV/K) $I_Z = 5\text{ mA}$ | | Diode capacitance C_d (pF) [1] | Non-repetitive peak reverse current I_{ZSM} (A) [2] |
|-----------|-----|---|------|---|---------------------|--|-----------|--|-----|-------------------------------------|--|
| | | Min | Max | $I_Z = 1\text{ mA}$ | $I_Z = 5\text{ mA}$ | Max | V_R (V) | Min | Max | Max | Max |
| 2V4-Q | A | 2.37 | 2.43 | 600 | 100 | 50 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 2.35 | 2.45 | | | | | | | | |
| | C | 2.20 | 2.60 | | | | | | | | |
| 2V7-Q | A | 2.67 | 2.73 | 600 | 100 | 20 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 2.65 | 2.75 | | | | | | | | |
| | C | 2.50 | 2.90 | | | | | | | | |
| 3V0-Q | A | 2.97 | 3.03 | 600 | 95 | 10 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 2.94 | 3.06 | | | | | | | | |
| | C | 2.80 | 3.20 | | | | | | | | |
| 3V3-Q | A | 3.26 | 3.34 | 600 | 95 | 5 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 3.23 | 3.37 | | | | | | | | |
| | C | 3.10 | 3.50 | | | | | | | | |
| 3V6-Q | A | 3.56 | 3.64 | 600 | 90 | 5 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 3.53 | 3.67 | | | | | | | | |
| | C | 3.40 | 3.80 | | | | | | | | |
| 3V9-Q | A | 3.86 | 3.94 | 600 | 90 | 3 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 3.82 | 3.98 | | | | | | | | |
| | C | 3.70 | 4.10 | | | | | | | | |
| 4V3-Q | A | 4.25 | 4.35 | 600 | 90 | 3 | 1 | -3.5 | 0.0 | 450 | 6.0 |
| | B | 4.21 | 4.39 | | | | | | | | |
| | C | 4.00 | 4.60 | | | | | | | | |
| 4V7-Q | A | 4.65 | 4.75 | 500 | 80 | 3 | 2 | -3.5 | 0.2 | 300 | 6.0 |
| | B | 4.61 | 4.79 | | | | | | | | |
| | C | 4.40 | 5.00 | | | | | | | | |
| 5V1-Q | A | 5.04 | 5.16 | 480 | 60 | 2 | 2 | -2.7 | 1.2 | 300 | 6.0 |
| | B | 5.00 | 5.20 | | | | | | | | |
| | C | 4.80 | 5.40 | | | | | | | | |
| 5V6-Q | A | 5.54 | 5.66 | 400 | 40 | 1 | 2 | -2.0 | 2.5 | 300 | 6.0 |
| | B | 5.49 | 5.71 | | | | | | | | |
| | C | 5.20 | 6.00 | | | | | | | | |
| 6V2-Q | A | 6.13 | 6.27 | 150 | 10 | 3 | 4 | 0.4 | 3.7 | 200 | 6.0 |
| | B | 6.08 | 6.32 | | | | | | | | |
| | C | 5.80 | 6.60 | | | | | | | | |
| 6V8-Q | A | 6.73 | 6.87 | 80 | 15 | 2 | 4 | 1.2 | 4.5 | 200 | 6.0 |
| | B | 6.66 | 6.94 | | | | | | | | |
| | C | 6.40 | 7.20 | | | | | | | | |
| 7V5-Q | A | 7.42 | 7.58 | 80 | 15 | 1 | 5 | 2.5 | 5.3 | 150 | 4.0 |
| | B | 7.35 | 7.65 | | | | | | | | |
| | C | 7.00 | 7.90 | | | | | | | | |

| BZX84-xxx | Sel | Working voltage V_Z (V) $I_Z = 5$ mA | | Maximum differential resistance r_{dif} (Ω) | | Reverse current I_R (μ A) | | Temperature coefficient S_Z (mV/K) $I_Z = 5$ mA | | Diode capacitance C_d (pF) [1] | Non-repetitive peak reverse current I_{ZSM} (A) [2] |
|-----------|-----|--|-------|---|--------------|-------------------------------------|-----------|---|------|-------------------------------------|--|
| | | Min | Max | $I_Z = 1$ mA | $I_Z = 5$ mA | Max | V_R (V) | Min | Max | Max | Max |
| 8V2-Q | A | 8.11 | 8.29 | 80 | 15 | 0.7 | 5 | 3.2 | 6.2 | 150 | 4.0 |
| | B | 8.04 | 8.36 | | | | | | | | |
| | C | 7.70 | 8.70 | | | | | | | | |
| 9V1-Q | A | 9.00 | 9.20 | 100 | 15 | 0.5 | 6 | 3.8 | 7.0 | 150 | 3.0 |
| | B | 8.92 | 9.28 | | | | | | | | |
| | C | 8.50 | 9.60 | | | | | | | | |
| 10-Q | A | 9.90 | 10.10 | 150 | 20 | 0.2 | 7 | 4.5 | 8.0 | 90 | 3.0 |
| | B | 9.80 | 10.20 | | | | | | | | |
| | C | 9.40 | 10.60 | | | | | | | | |
| 11-Q | A | 10.89 | 11.11 | 150 | 20 | 0.1 | 8 | 5.4 | 9.0 | 85 | 2.5 |
| | B | 10.80 | 11.20 | | | | | | | | |
| | C | 10.40 | 11.60 | | | | | | | | |
| 12-Q | A | 11.88 | 12.12 | 150 | 25 | 0.1 | 8 | 6.0 | 10.0 | 85 | 2.5 |
| | B | 11.80 | 12.20 | | | | | | | | |
| | C | 11.40 | 12.70 | | | | | | | | |
| 13-Q | A | 12.87 | 13.13 | 170 | 30 | 0.1 | 8 | 7.0 | 11.0 | 80 | 2.5 |
| | B | 12.70 | 13.30 | | | | | | | | |
| | C | 12.40 | 14.10 | | | | | | | | |
| 15-Q | A | 14.85 | 15.15 | 200 | 30 | 0.05 | 10.5 | 9.2 | 13.0 | 75 | 2.0 |
| | B | 14.70 | 15.30 | | | | | | | | |
| | C | 13.80 | 15.60 | | | | | | | | |
| 16-Q | A | 15.84 | 16.16 | 200 | 40 | 0.05 | 11.2 | 10.4 | 14.0 | 75 | 1.5 |
| | B | 15.70 | 16.30 | | | | | | | | |
| | C | 15.30 | 17.10 | | | | | | | | |
| 18-Q | A | 17.82 | 18.18 | 225 | 45 | 0.05 | 12.6 | 12.4 | 16.0 | 70 | 1.5 |
| | B | 17.60 | 18.40 | | | | | | | | |
| | C | 16.80 | 19.10 | | | | | | | | |
| 20-Q | A | 19.80 | 20.20 | 225 | 55 | 0.05 | 14 | 14.4 | 18.0 | 60 | 1.5 |
| | B | 19.60 | 20.40 | | | | | | | | |
| | C | 18.80 | 21.20 | | | | | | | | |
| 22-Q | A | 21.78 | 22.22 | 250 | 55 | 0.05 | 15.4 | 16.4 | 20.0 | 60 | 1.25 |
| | B | 21.60 | 22.40 | | | | | | | | |
| | C | 20.80 | 23.30 | | | | | | | | |
| 24-Q | A | 23.76 | 24.24 | 250 | 70 | 0.05 | 16.8 | 18.4 | 22.0 | 55 | 1.25 |
| | B | 23.50 | 24.50 | | | | | | | | |
| | C | 22.80 | 25.60 | | | | | | | | |

[1] $f = 1$ MHz; $V_R = 0$ V

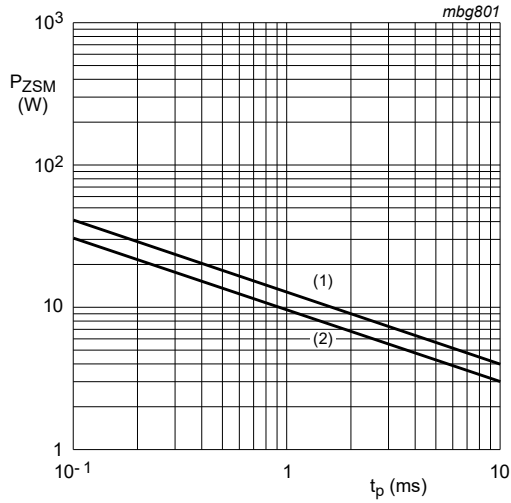
[2] $t_p = 100$ μ s; square wave; $T_j = 25$ °C

Table 9. Characteristics per type; BZX84-A27-Q to BZX84-C75-Q

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

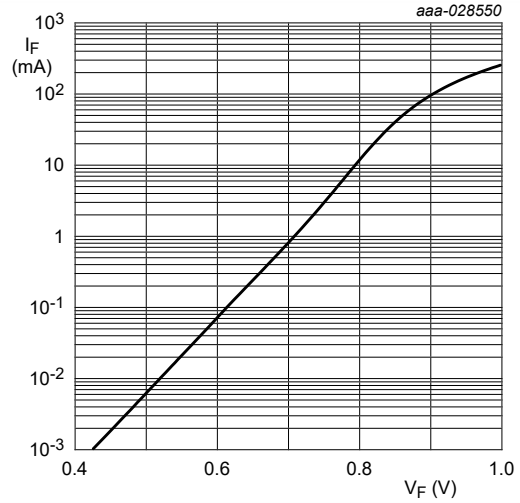
| BZX84-xxx | Sel | Working voltage V_Z (V) $I_Z = 2\text{ mA}$ | | Maximum differential resistance r_{dif} (Ω) | | Reverse current I_R (μA) | | Temperature coefficient S_Z (mV/K) $I_Z = 2\text{ mA}$ | | Diode capacitance C_d (pF) [1] | Non-repetitive peak reverse current I_{ZSM} (A) [2] |
|-----------|-----|---|-------|---|---------------------|--|-----------|--|------|-------------------------------------|--|
| | | Min | Max | $I_Z = 0.5\text{ mA}$ | $I_Z = 2\text{ mA}$ | Max | V_R (V) | Min | Max | Max | Max |
| 27-Q | A | 26.73 | 27.27 | 300 | 80 | 0.05 | 18.9 | 21.4 | 25.3 | 50 | 1.0 |
| | B | 26.50 | 27.50 | | | | | | | | |
| | C | 25.10 | 28.90 | | | | | | | | |
| 30-Q | A | 29.70 | 30.30 | 300 | 80 | 0.05 | 21 | 24.4 | 29.4 | 50 | 1.0 |
| | B | 29.40 | 30.60 | | | | | | | | |
| | C | 28.00 | 32.00 | | | | | | | | |
| 33-Q | A | 32.67 | 33.33 | 325 | 80 | 0.05 | 23.1 | 27.4 | 33.4 | 45 | 0.9 |
| | B | 32.30 | 33.70 | | | | | | | | |
| | C | 31.00 | 35.00 | | | | | | | | |
| 36-Q | A | 35.64 | 36.36 | 350 | 90 | 0.05 | 25.2 | 30.4 | 37.4 | 45 | 0.8 |
| | B | 35.30 | 36.70 | | | | | | | | |
| | C | 34.00 | 38.00 | | | | | | | | |
| 39-Q | A | 38.61 | 39.39 | 350 | 130 | 0.05 | 27.3 | 33.4 | 41.2 | 45 | 0.7 |
| | B | 38.20 | 39.80 | | | | | | | | |
| | C | 37.00 | 41.00 | | | | | | | | |
| 43-Q | A | 42.57 | 43.43 | 375 | 150 | 0.05 | 30.1 | 37.6 | 46.6 | 40 | 0.6 |
| | B | 42.10 | 43.90 | | | | | | | | |
| | C | 40.00 | 46.00 | | | | | | | | |
| 47-Q | B | 46.10 | 47.90 | 375 | 170 | 0.05 | 32.9 | 42.0 | 51.8 | 40 | 0.5 |
| | C | 44.00 | 50.00 | | | | | | | | |
| 51-Q | A | 50.49 | 51.51 | 400 | 180 | 0.05 | 35.7 | 46.6 | 57.2 | 40 | 0.4 |
| | B | 50.00 | 52.00 | | | | | | | | |
| | C | 48.00 | 54.00 | | | | | | | | |
| 56-Q | B | 54.90 | 57.10 | 425 | 200 | 0.05 | 39.2 | 52.2 | 63.8 | 40 | 0.3 |
| | C | 52.00 | 60.00 | | | | | | | | |
| 62-Q | B | 60.80 | 63.20 | 450 | 215 | 0.05 | 43.4 | 58.8 | 71.6 | 35 | 0.3 |
| | C | 58.00 | 66.00 | | | | | | | | |
| 68-Q | B | 66.60 | 69.40 | 475 | 240 | 0.05 | 47.6 | 65.6 | 79.8 | 35 | 0.25 |
| | C | 64.00 | 72.00 | | | | | | | | |
| 75-Q | A | 74.25 | 75.75 | 500 | 255 | 0.05 | 52.5 | 73.4 | 88.6 | 35 | 0.20 |
| | B | 73.50 | 76.50 | | | | | | | | |
| | C | 70.00 | 79.00 | | | | | | | | |

[1] $f = 1\text{ MHz}$; $V_R = 0\text{ V}$ [2] $t_p = 100\text{ }\mu\text{s}$; square wave; $T_j = 25\text{ °C}$



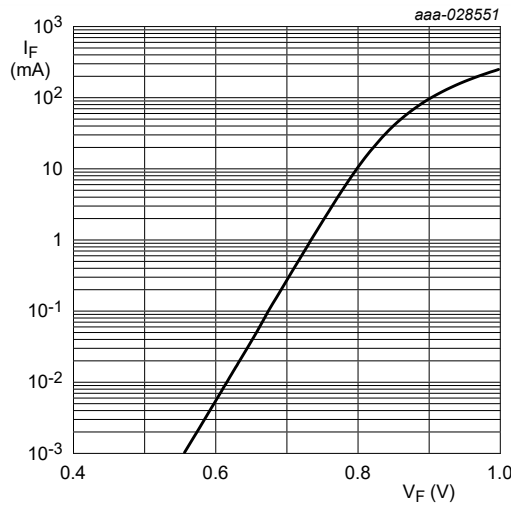
(1) $T_j = 25^\circ\text{C}$ (before surge)
 (2) $T_j = 150^\circ\text{C}$ (before surge)

Fig. 1. Non-repetitive peak reverse power dissipation as a function of pulse duration; maximum values



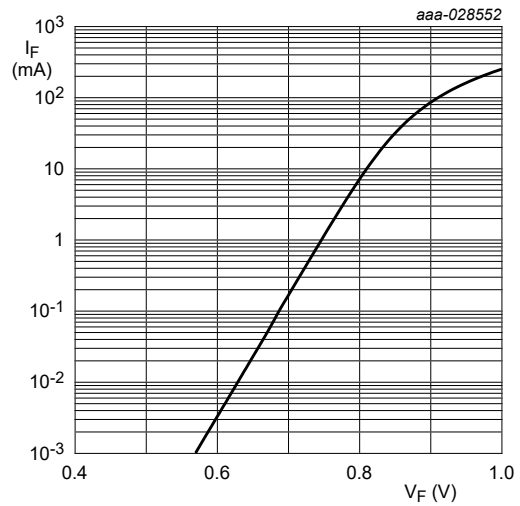
$T_j = 25^\circ\text{C}$

Fig. 2. Forward current as a function of forward voltage; typical values (BZX84-A/B/C2V4-Q)



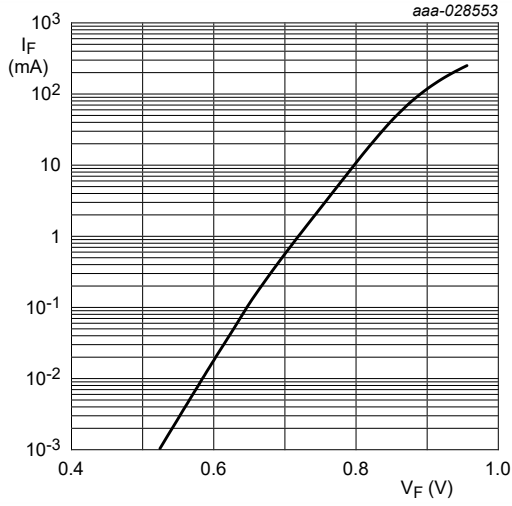
$T_j = 25^\circ\text{C}$

Fig. 3. Forward current as a function of forward voltage; typical values (BZX84-A/B/C6V8-Q)



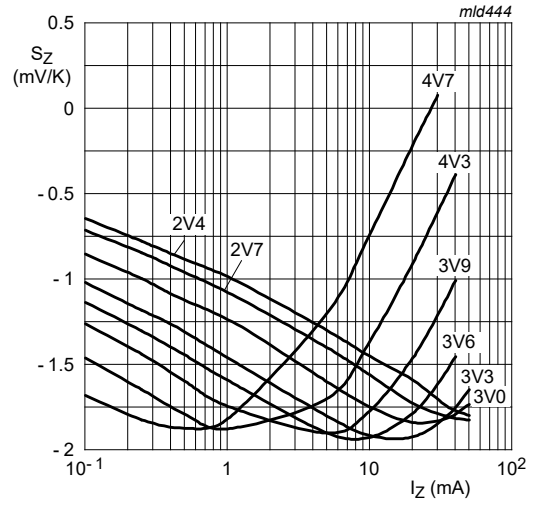
$T_j = 25^\circ\text{C}$

Fig. 4. Forward current as a function of forward voltage; typical values (BZX84-A/B/C7V5-Q)



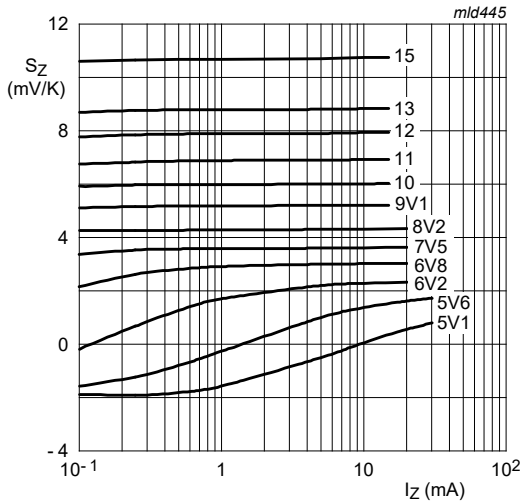
$T_j = 25\text{ }^\circ\text{C}$

Fig. 5. Forward current as a function of forward voltage; typical values (BZX84-A/B/C75-Q)



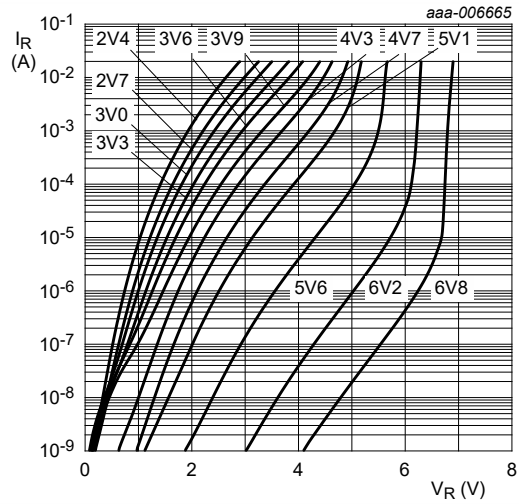
$T_j = 25\text{ }^\circ\text{C to } 150\text{ }^\circ\text{C}$

Fig. 6. Temperature coefficient as a function of working current; typical values (BZX84-A/B/C2V4-Q to BZX84-A/B/C4V7-Q)



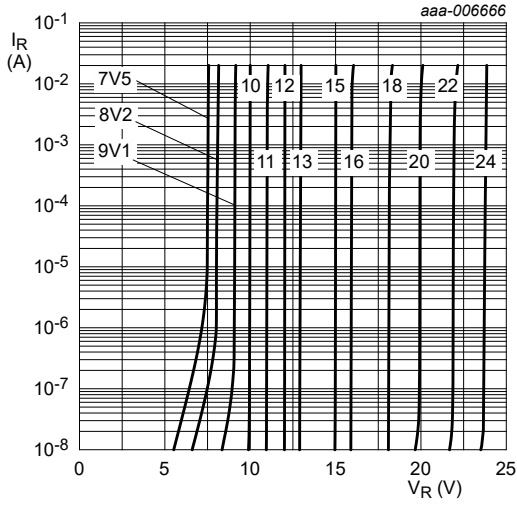
$T_j = 25\text{ }^\circ\text{C to } 150\text{ }^\circ\text{C}$

Fig. 7. Temperature coefficient as a function of working current; typical values (BZX84-A/B/C5V1-Q to BZX84-A/B/C15-Q)



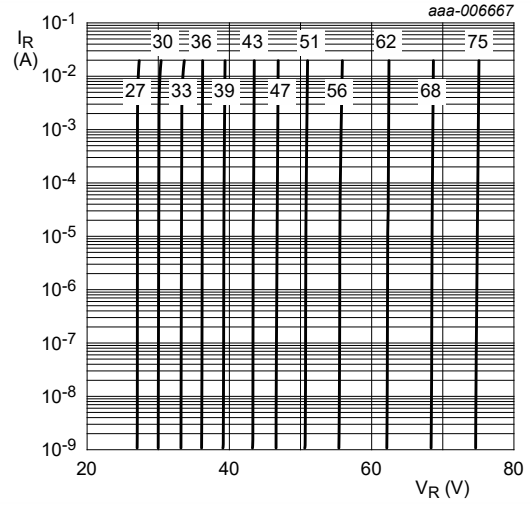
$T_j = 25\text{ }^\circ\text{C}$

Fig. 8. Reverse current as a function of reverse voltage; typical values (BZX84-A/B/C2V4-Q to BZX84-A/B/C6V8-Q)



T_j = 25 °C

Fig. 9. Reverse current as a function of reverse voltage; typical values (BZX84-A/B/C7V5-Q to BZX84-A/B/C24-Q)



T_j = 25 °C

Fig. 10. Reverse current as a function of reverse voltage; typical values (BZX84-A/B/C27-Q to BZX84-A/B/C75-Q)

11. Test information

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.

12. Package outline

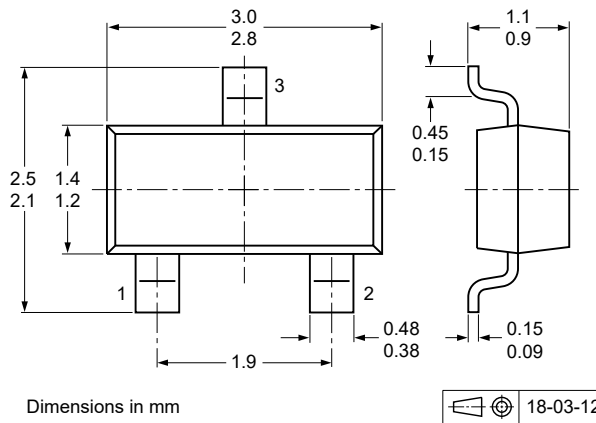
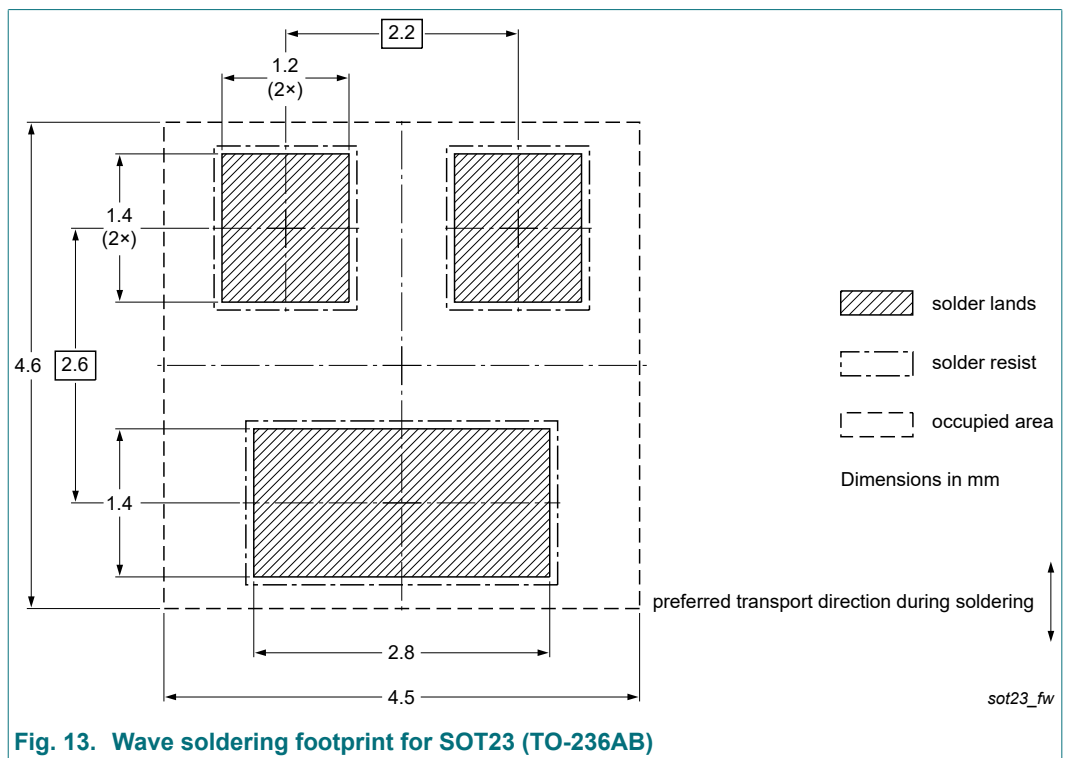
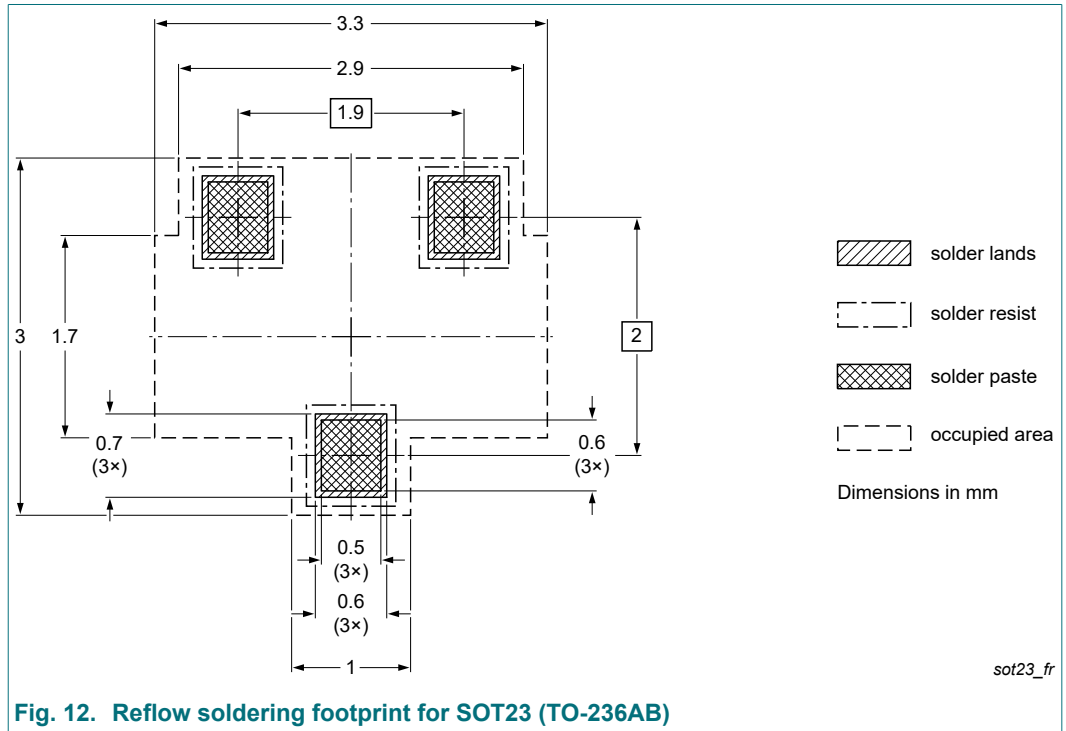


Fig. 11. Package outline SOT23 (TO-236AB)

13. Soldering



14. Revision history

Table 10. Revision history

| Document ID | Release date | Data sheet status | Change notice | Supersedes |
|-----------------|--------------|--------------------|---------------|------------|
| BZX84-Q_SER v.1 | 20210929 | Product data sheet | - | - |

15. Legal information

Data sheet status

| Document status [1][2] | Product status [3] | 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 <https://www.nexperia.com>.

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Date of release: 29 September 2021

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