



# 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:  $\leq 250$  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:  $\leq 40$  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

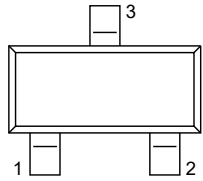
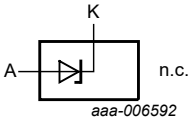
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
$V_F$	forward voltage	$I_F = 10$ mA	[1] -	-	0.9	V
$P_{tot}$	total power dissipation	$T_{amb} \leq 25$ °C	[2] -	-	250	mW

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

[2] Device mounted on an FR4 PCB, single-sided 70  $\mu\text{m}$  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  $\mu\text{m}$  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:  $t_p \leq 100\ \mu\text{s}$ ;  $\delta \leq 0.02$

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 $r_{dif}$ ( $\Omega$ )		Reverse current $I_R$ ( $\mu\text{A}$ )		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 $r_{dif}$ ( $\Omega$ )		Reverse current $I_R$ ( $\mu$ 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

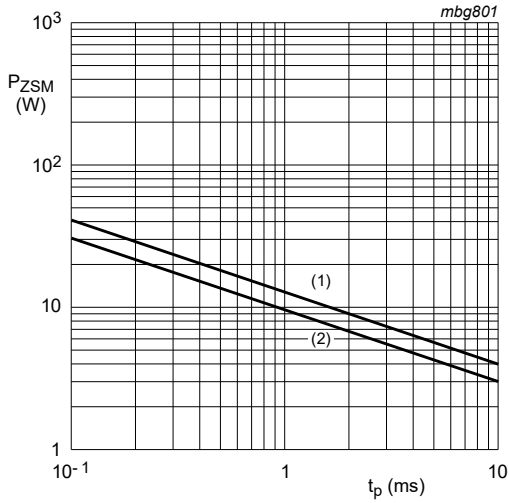
[2]  $t_p = 100$   $\mu$ s; square wave;  $T_j = 25$  °C

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

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

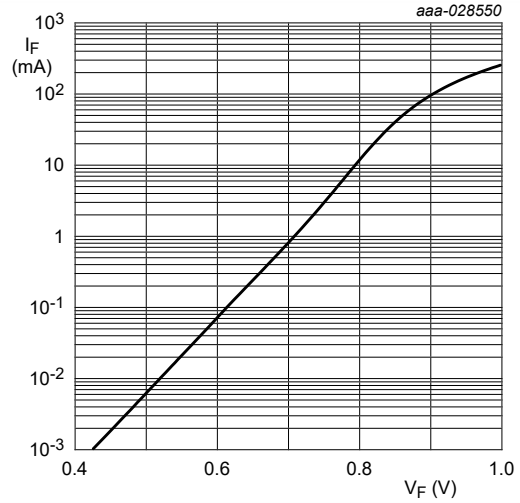
BZX84-xxx	Sel	Working voltage $V_Z$ (V) $I_Z = 2\text{ mA}$		Maximum differential resistance $r_{dif}$ ( $\Omega$ )		Reverse current $I_R$ ( $\mu\text{A}$ )		Temperature coefficient $S_Z$ (mV/K) $I_Z = 2\text{ mA}$		Diode capacitance $C_d$ (pF) [1]	Non-repetitive peak reverse current $I_{ZSM}$ (A) [2]
		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;  $T_j = 25\text{ °C}$



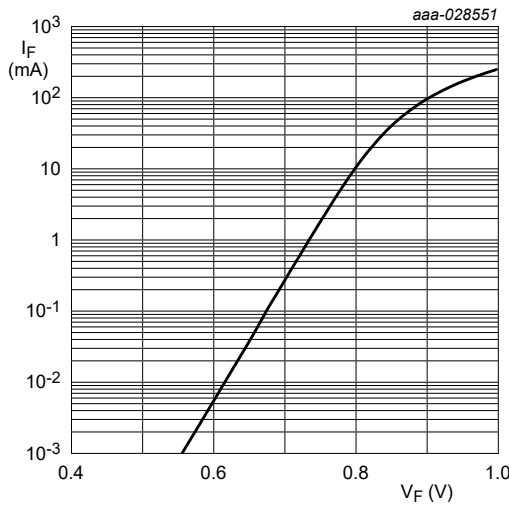
(1)  $T_j = 25^\circ\text{C}$  (before surge)  
 (2)  $T_j = 150^\circ\text{C}$  (before surge)

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



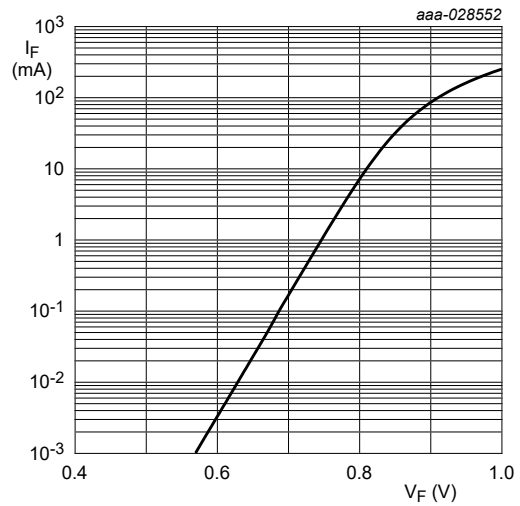
$T_j = 25^\circ\text{C}$

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



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

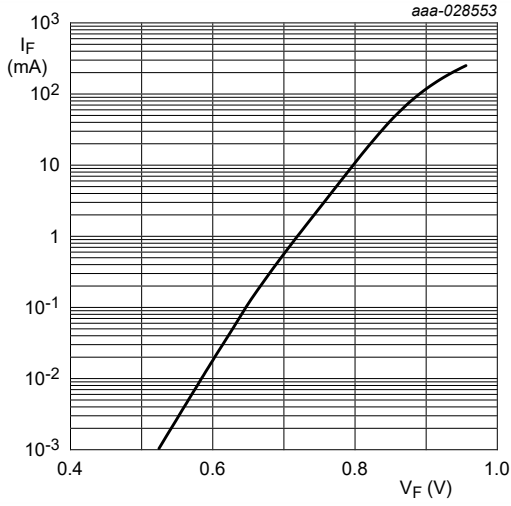
**Fig. 3. Forward current as a function of forward voltage; typical values (BZX84-A/B/C6V8-Q)**



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

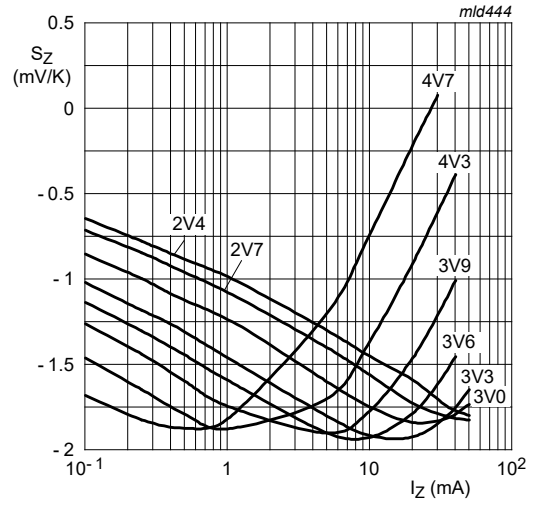
**Fig. 4. Forward current as a function of forward voltage; typical values (BZX84-A/B/C7V5-Q)**





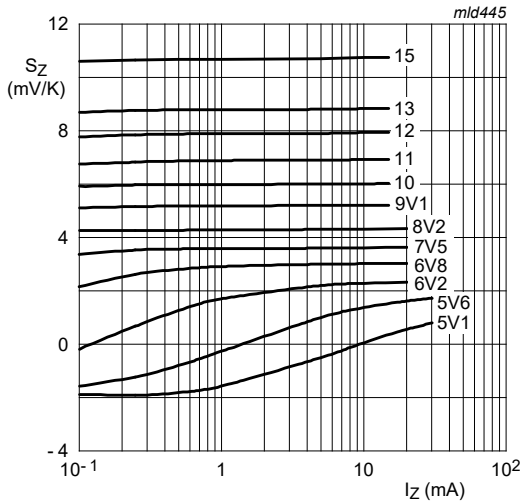
$T_j = 25\text{ }^\circ\text{C}$

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



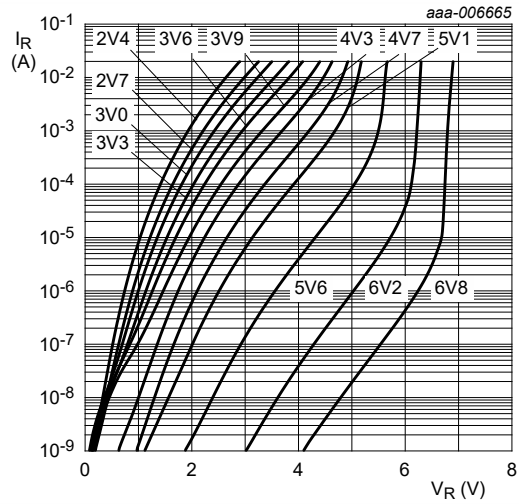
$T_j = 25\text{ }^\circ\text{C}$  to  $150\text{ }^\circ\text{C}$

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



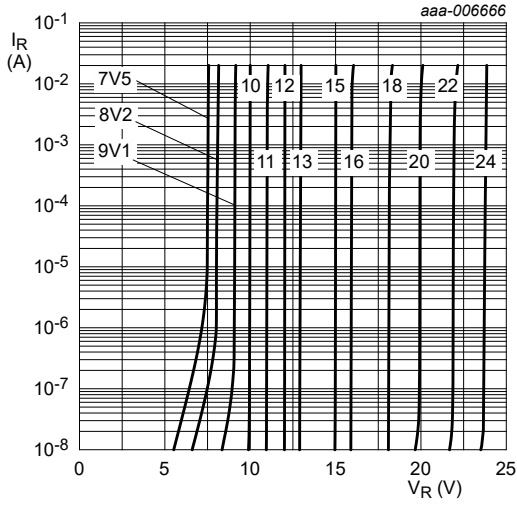
$T_j = 25\text{ }^\circ\text{C}$  to  $150\text{ }^\circ\text{C}$

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



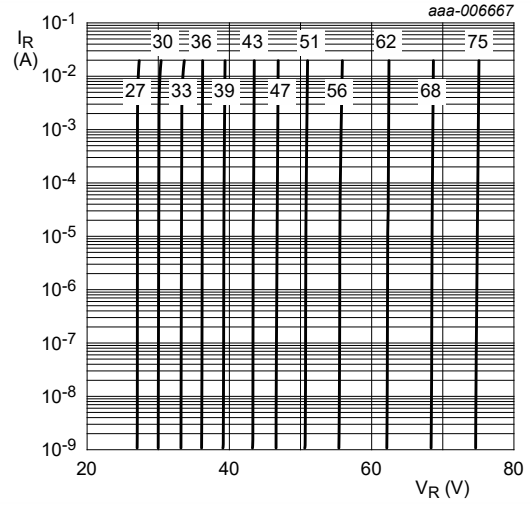
$T_j = 25\text{ }^\circ\text{C}$

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



T<sub>j</sub> = 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<sub>j</sub> = 25 °C

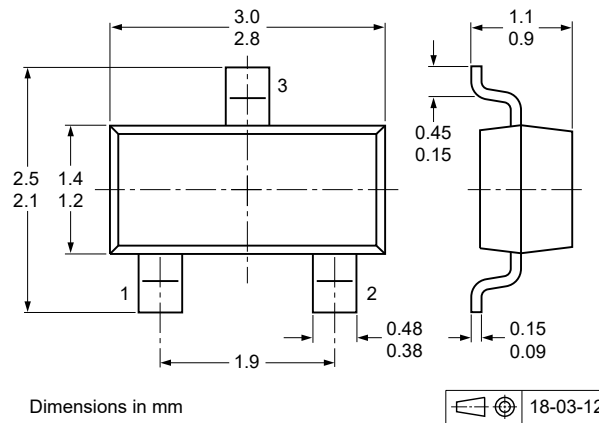
**Fig. 10.** Reverse current as a function of reverse voltage; typical values (BZX84-A/B/C27-Q to BZX84-A/B/C75-Q)

## 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

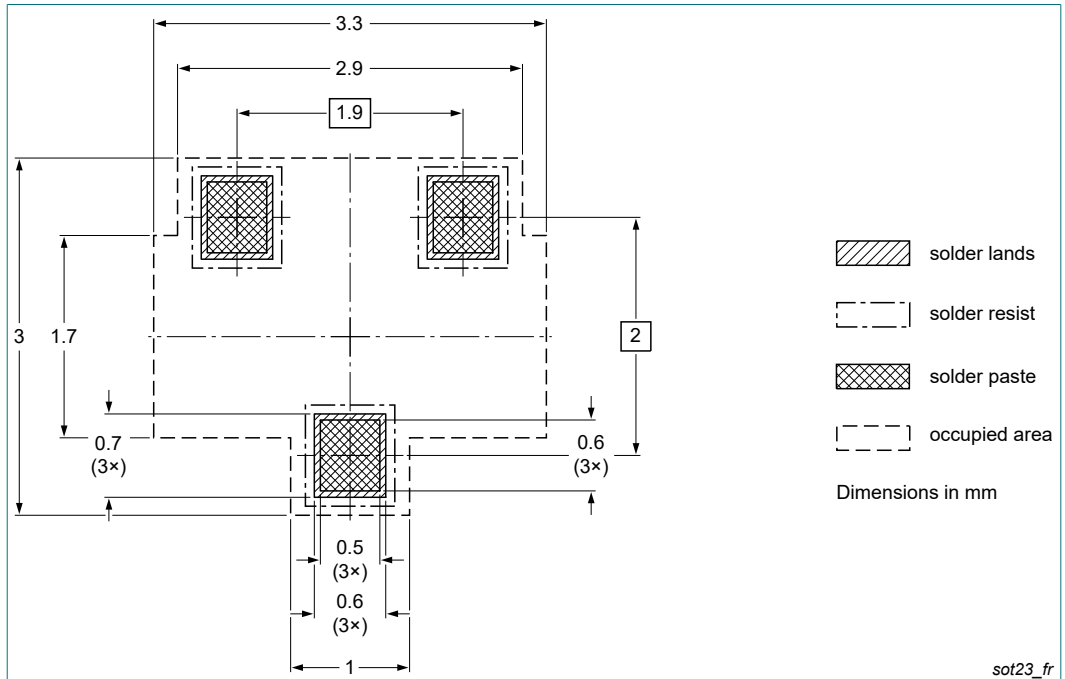


Fig. 12. Reflow soldering footprint for SOT23 (TO-236AB)

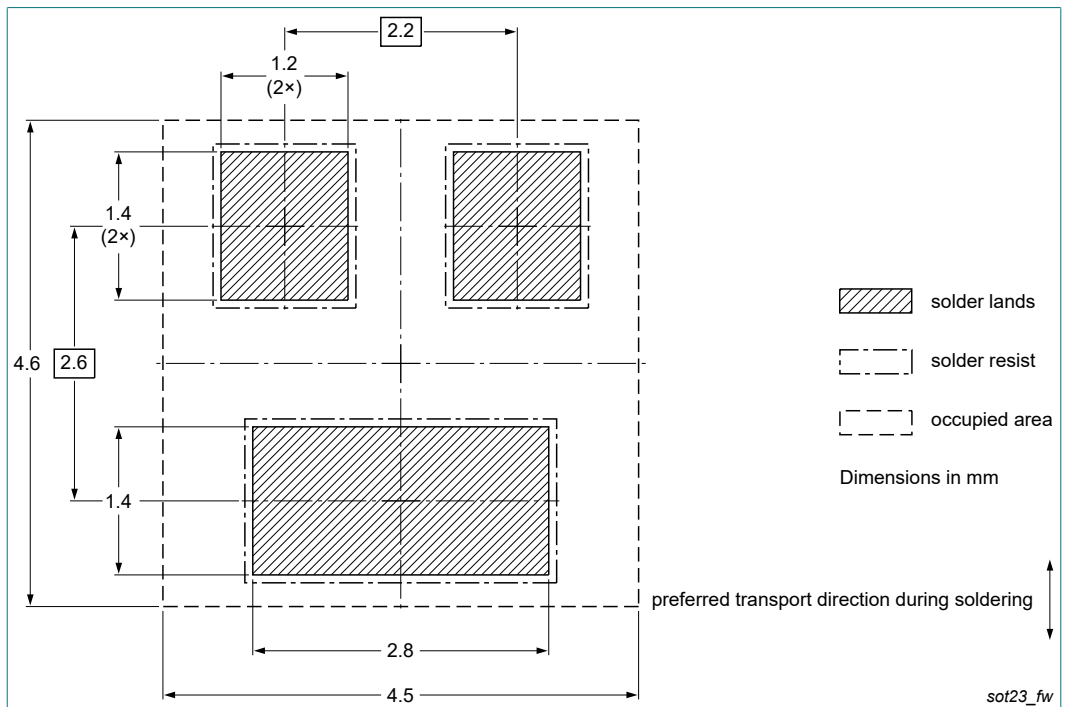


Fig. 13. Wave soldering footprint for SOT23 (TO-236AB)

## 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>.

### Definitions

**Draft** — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. Nexperia does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

**Short data sheet** — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local Nexperia sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

**Product specification** — The information and data provided in a Product data sheet shall define the specification of the product as agreed between Nexperia and its customer, unless Nexperia and customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the Nexperia product is deemed to offer functions and qualities beyond those described in the Product data sheet.

### Disclaimers

**Limited warranty and liability** — Information in this document is believed to be accurate and reliable. However, Nexperia does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Nexperia takes no responsibility for the content in this document if provided by an information source outside of Nexperia.

In no event shall Nexperia be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, Nexperia's aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the Terms and conditions of commercial sale of Nexperia.

**Right to make changes** — Nexperia reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

**Suitability for use in automotive applications** — This Nexperia product has been qualified for use in automotive applications. Unless otherwise agreed in writing, the product is not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or

equipment, nor in applications where failure or malfunction of an Nexperia product can reasonably be expected to result in personal injury, death or severe property or environmental damage. Nexperia and its suppliers accept no liability for inclusion and/or use of Nexperia products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

**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.

**Applications** — Applications that are described herein for any of these products are for illustrative purposes only. Nexperia makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customers are responsible for the design and operation of their applications and products using Nexperia products, and Nexperia accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the Nexperia product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products.

Nexperia does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using Nexperia products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). Nexperia does not accept any liability in this respect.

**Limiting values** — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

**Terms and conditions of commercial sale** — Nexperia products are sold subject to the general terms and conditions of commercial sale, as published at <http://www.nexperia.com/profile/terms>, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. Nexperia hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of Nexperia products by customer.

**No offer to sell or license** — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

**Export control** — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

**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.

### Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

## Contents

---

1. General description.....	1
2. Features and benefits.....	1
3. Applications.....	1
4. Quick reference data.....	1
5. Pinning information.....	2
6. Ordering information.....	2
7. Marking.....	3
8. Limiting values.....	4
9. Thermal characteristics.....	4
10. Characteristics.....	4
11. Test information.....	10
12. Package outline.....	10
13. Soldering.....	11
14. Revision history.....	12
15. Legal information.....	13

---

© Nexperia B.V. 2021. All rights reserved

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)  
Date of release: 29 September 2021

---

单击下面可查看定价，库存，交付和生命周期等信息

[>>Nexperia\(安世\)](#)