

CONSTANT VOLTAGE REGULATION APPLICATION.
REFERENCE VOLTAGE APPLICATION.

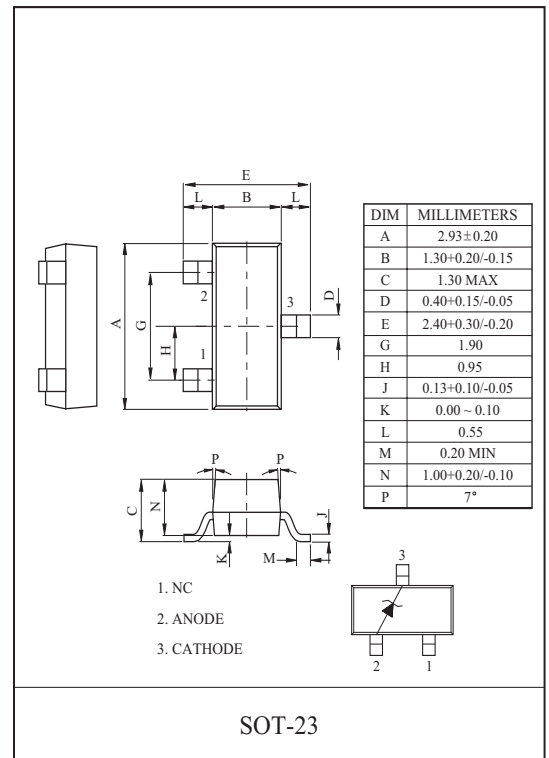
FEATURES

- Small Package : SOT-23
- Normal Voltage Tolerance About $\pm 2.5\%$.
- Suffix U : Qualified to AEC-Q101.
ex) BZX84C24-RTK/HU

MAXIMUM RATING (Ta=25)

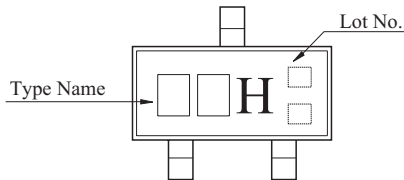
| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|-----------|---------|------|
| Power Dissipation | P_D^* | 300 | mW |
| Junction Temperature | T_j | 150 | |
| Operating Temperature | T_{opr} | -55 150 | |
| Storage Temperature Range | T_{stg} | -55 150 | |

Note P_D^* : Package Mounted on 99.5% alumina $10 \times 8 \times 0.6$ mm.



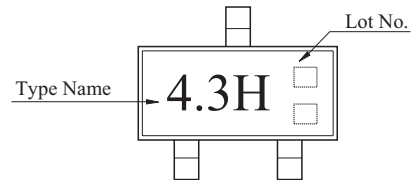
MARKING

Example 1) 2.0V ~ 3.9V



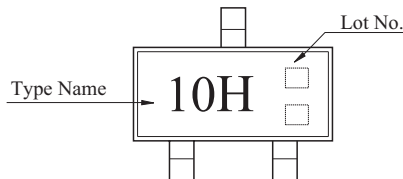
TYPE NAME : BZX84C2V0 → 2AH
 BZX84C2V2 → 2BH
 BZX84C2V4 → 2CH
 BZX84C2V7 → 2DH
 BZX84C3V0 → 30H
 BZX84C3V3 → 33H
 BZX84C3V6 → 36H
 BZX84C3V9 → 39H

Example 2) 4.3V ~ 9.1V



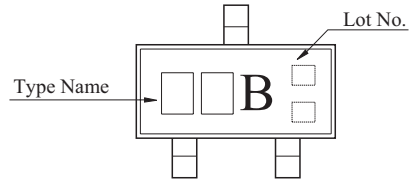
TYPE NAME : BZX84C4V3 → 4.3H

Example 3) 10V ~ 24V



TYPE NAME : BZX84C10 → 10H

Example 4) 27V ~ 36V



TYPE NAME : BZX84C27 → 27B
 BZX84C30 → 30B
 BZX84C33 → 33B
 BZX84C36 → 36B

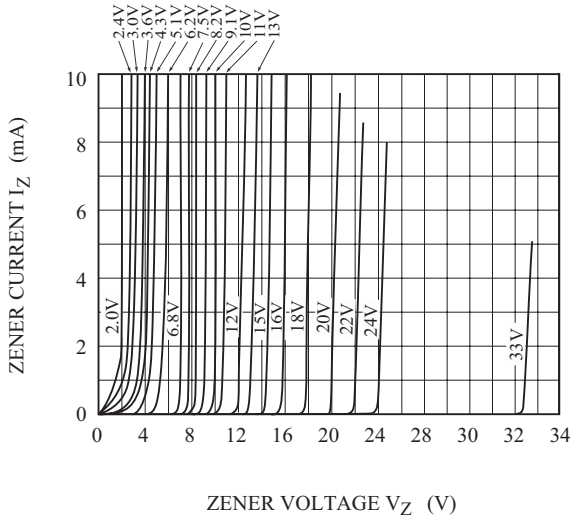
BZX84C2V~36V

ELECTRICAL CHARACTERISTICS (Ta=25)

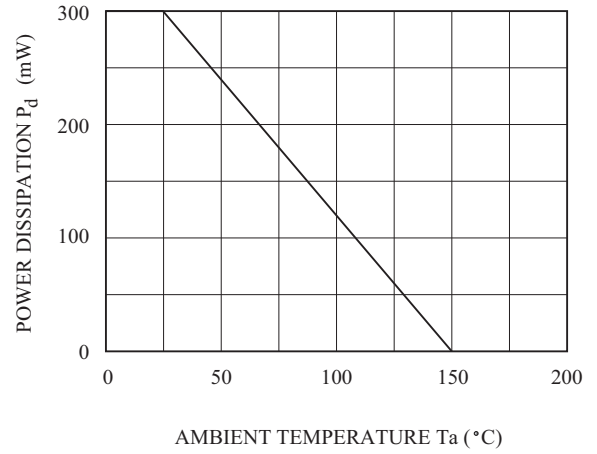
| TYPE No. | Zener Voltage Vz (V) | | | Dynamic Impedance Zz () | | KNEE Dynamic Impedance Zzk () | | Reverse Current IR (μA) | |
|-----------|----------------------|-------|---------|--------------------------|---------|--------------------------------|---------|--------------------------|-------|
| | Min. | Max. | Iz (mA) | MAX. | Iz (mA) | MAX. | Iz (mA) | MAX. | VR(V) |
| BZX84C2V0 | 1.85 | 2.15 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| BZX84C2V2 | 2.05 | 2.38 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| BZX84C2V4 | 2.28 | 2.60 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| BZX84C2V7 | 2.50 | 2.90 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| BZX84C3V0 | 2.80 | 3.20 | 5 | 120 | 5 | 1000 | 0.5 | 50 | 1.0 |
| BZX84C3V3 | 3.10 | 3.50 | 5 | 130 | 5 | 1000 | 0.5 | 20 | 1.0 |
| BZX84C3V6 | 3.40 | 3.80 | 5 | 130 | 5 | 1000 | 0.5 | 10 | 1.0 |
| BZX84C3V9 | 3.70 | 4.10 | 5 | 130 | 5 | 1000 | 0.5 | 10 | 1.0 |
| BZX84C4V3 | 4.13 | 4.35 | 5 | 130 | 5 | 1000 | 0.5 | 5 | 1.0 |
| BZX84C4V7 | 4.53 | 4.76 | 5 | 120 | 5 | 1000 | 0.5 | 5 | 1.0 |
| BZX84C5V1 | 4.97 | 5.24 | 5 | 70 | 5 | 1000 | 0.5 | 1. | 1.5 |
| BZX84C5V6 | 5.43 | 5.81 | 5 | 40 | 5 | 900 | 0.5 | 1 | 2.5 |
| BZX84C6V2 | 6.00 | 6.39 | 5 | 30 | 5 | 500 | 0.5 | 1 | 3.0 |
| BZX84C6V8 | 6.60 | 7.02 | 5 | 25 | 5 | 150 | 0.5 | 0.5 | 5.0 |
| BZX84C7V5 | 7.23 | 7.66 | 5 | 23 | 5 | 120 | 0.5 | 0.5 | 6.0 |
| BZX84C8V2 | 7.96 | 8.43 | 5 | 20 | 5 | 120 | 0.5 | 0.5 | 6.5 |
| BZX84C9V1 | 8.80 | 9.30 | 5 | 18 | 5 | 120 | 0.5 | 0.5 | 7.0 |
| BZX84C10 | 9.73 | 10.26 | 5 | 15 | 5 | 120 | 0.5 | 0.5 | 8.0 |
| BZX84C11 | 10.73 | 11.26 | 5 | 15 | 5 | 120 | 0.5 | 0.5 | 8.5 |
| BZX84C12 | 11.73 | 12.26 | 5 | 15 | 5 | 110 | 0.5 | 0.5 | 9.0 |
| BZX84C13 | 12.88 | 13.57 | 5 | 15 | 5 | 110. | 0.5 | 0.5 | 10 |
| BZX84C15 | 14.33 | 15.11 | 5 | 15 | 5 | 110. | 0.5 | 0.5 | 11 |
| BZX84C16 | 15.80 | 16.60 | 5 | 18 | 5 | 150 | 0.5 | 0.5 | 12 |
| BZX84C18 | 17.46 | 18.43 | 5 | 20 | 5 | 150 | 0.5 | 0.5 | 14 |
| BZX84C20 | 19.48 | 20.46 | 5 | 25 | 5 | 200 | 0.5 | 0.5 | 15 |
| BZX84C22 | 21.48 | 22.56 | 5 | 30 | 5 | 200 | 0.5 | 0.5 | 17 |
| BZX84C24 | 23.61 | 24.92 | 5 | 40 | 5 | 200 | 0.5 | 0.5 | 19 |
| BZX84C27 | 26.19 | 27.53 | 2 | 150 | 2 | 150 | 0.5 | 0.1 | 21 |
| BZX84C30 | 29.19 | 30.69 | 2 | 200 | 2 | 200 | 0.5 | 0.1 | 23 |
| BZX84C33 | 32.15 | 33.79 | 2 | 250 | 2 | 250 | 0.5 | 0.1 | 25 |
| BZX84C36 | 35.07 | 36.87 | 2 | 300 | 2 | 300 | 0.5 | 0.1 | 27 |

BZX84C2V~36V

$I_Z - V_Z$



$P_d - T_a$



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Zener Diodes](#) category:

Click to view products by [KEC](#) manufacturer:

Other Similar products are found below :

[RKZ13B2KG#P1](#) [DL5234B](#) [EDZTE6113B](#) [1N4682](#) [1N4693](#) [1N4732A](#) [1N4736A](#) [1N4750A](#) [1N4759ARL](#) [1N5241B](#) [1N5365B](#) [1N5369B](#)
[1N747A](#) [1N964B](#) [1N966B](#) [1N968B](#) [1N972B](#) [JANS1N4974US](#) [JANTX1N5907](#) [1N4692](#) [1N4700](#) [1N4702](#) [1N4704](#) [1N4711](#) [1N4714](#)
[1N4745ARL](#) [1N4752ARL](#) [1N4760ARL](#) [1N5221B](#) [1N5242BTR](#) [1N5350B](#) [1N5352B](#) [1N961BRR1](#) [1N964BRL](#) [RKZ5.1BKU#P6](#)
[3SMAJ5946B-TP](#) [3SMAJ5950B-TP](#) [3SMBJ5925B-TP](#) [MMSZ5230BQ-13-F](#) [MMSZ5232BQ-13-F](#) [BZX84C7V5](#) [3SMAJ5945B-TP](#)
[3SMAJ5947B-TP](#) [3SMBJ5941B-TP](#) [DL4732A-T3](#) [DZ2S240M0L](#) [SMAZ27-TP](#) [ZMM5224B-7](#) [RD16UM-T1-A](#) [RD39S-T1-A](#)