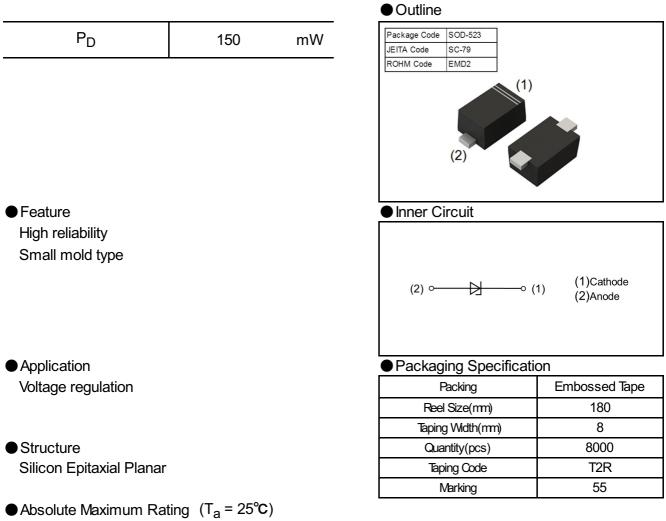


Data sheet



Parameter Symbol Limits Unit P_D 150 Power dissipation mW Ti °C Junction temperature 150 T_{stg} Storage temperature -55 ~ 150 °C

EDZV Series

• Characteristic ($T_a = 25^{\circ}C$)

| | Syr | | | | | Symbol | | | | |
|-----------|----------------------------------|-------|---------------------|----------------------------------|---------------------|-----------------------------------|---------------------|-------------------------------------|--------------------|--|
| P/N | Zener Voltage:V _Z (V) | | | Dynamic Impedance: $Z_Z(\Omega)$ | | Zener Impedance: $Z_{ZK}(\Omega)$ | | Reverse Current:I _R (µA) | | |
| | MIN. | MAX. | l _z (mA) | MAX. | l _z (mA) | MAX. | l _z (mA) | MAX. | V _R (V) | |
| EDZV 2.0B | 2.020 | 2.200 | 5.0 | 100 | 5.0 | 1000 | 0.5 | 120 | 0.5 | |
| EDZV 2.2B | 2.220 | 2.410 | 5.0 | 100 | 5.0 | 1000 | 0.5 | 120 | 0.7 | |
| EDZV 2.4B | 2.430 | 2.630 | 5.0 | 100 | 5.0 | 1000 | 0.5 | 120 | 1.0 | |
| EDZV 2.7B | 2.690 | 2.910 | 5.0 | 110 | 5.0 | 1000 | 0.5 | 100 | 1.0 | |
| EDZV 3.0B | 3.010 | 3.220 | 5.0 | 120 | 5.0 | 1000 | 0.5 | 50.0 | 1.0 | |
| EDZV 3.3B | 3.320 | 3.530 | 5.0 | 120 | 5.0 | 1000 | 0.5 | 20.0 | 1.0 | |
| EDZV 3.6B | 3.600 | 3.845 | 5.0 | 100 | 5.0 | 1000 | 1.0 | 10.0 | 1.0 | |
| EDZV 3.9B | 3.890 | 4.160 | 5.0 | 100 | 5.0 | 1000 | 1.0 | 5.0 | 1.0 | |
| EDZV 4.3B | 4.170 | 4.430 | 5.0 | 100 | 5.0 | 1000 | 1.0 | 5.0 | 1.0 | |
| EDZV 4.7B | 4.550 | 4.750 | 5.0 | 100 | 5.0 | 800 | 0.5 | 2.0 | 1.0 | |
| EDZV 5.1B | 4.980 | 5.200 | 5.0 | 80 | 5.0 | 500 | 0.5 | 2.0 | 1.5 | |
| EDZV 5.6B | 5.490 | 5.730 | 5.0 | 60 | 5.0 | 200 | 0.5 | 1.0 | 2.5 | |
| EDZV 6.2B | 6.060 | 6.330 | 5.0 | 60 | 5.0 | 100 | 0.5 | 1.0 | 3.0 | |
| EDZV 6.8B | 6.650 | 6.930 | 5.0 | 40 | 5.0 | 60 | 0.5 | 0.5 | 3.5 | |
| EDZV 7.5B | 7.280 | 7.600 | 5.0 | 30 | 5.0 | 60 | 0.5 | 0.5 | 4.0 | |
| EDZV 8.2B | 8.020 | 8.360 | 5.0 | 30 | 5.0 | 60 | 0.5 | 0.5 | 5.0 | |
| EDZV 9.1B | 8.850 | 9.230 | 5.0 | 30 | 5.0 | 60 | 0.5 | 0.5 | 6.0 | |
| EDZV 10B | 9.770 | 10.21 | 5.0 | 30 | 5.0 | 60 | 0.5 | 0.1 | 7.0 | |
| EDZV 11B | 10.76 | 11.22 | 5.0 | 30 | 5.0 | 60 | 0.5 | 0.1 | 8.0 | |
| EDZV 12B | 11.74 | 12.24 | 5.0 | 30 | 5.0 | 80 | 0.5 | 0.1 | 9.0 | |
| EDZV 13B | 12.91 | 13.49 | 5.0 | 37 | 5.0 | 80 | 0.5 | 0.1 | 10.0 | |
| EDZV 15B | 14.34 | 14.98 | 5.0 | 42 | 5.0 | 80 | 0.5 | 0.1 | 11.0 | |
| EDZV 16B | 15.85 | 16.51 | 5.0 | 50 | 5.0 | 80 | 0.5 | 0.1 | 12.0 | |
| EDZV 18B | 17.56 | 18.35 | 5.0 | 65 | 5.0 | 80 | 0.5 | 0.1 | 13.0 | |
| EDZV 20B | 19.52 | 20.39 | 5.0 | 85 | 5.0 | 100 | 0.5 | 0.1 | 15.0 | |
| EDZV 22B | 21.54 | 22.47 | 5.0 | 100 | 5.0 | 100 | 0.5 | 0.1 | 17.0 | |
| EDZV 24B | 23.72 | 24.78 | 5.0 | 120 | 5.0 | 120 | 0.5 | 0.1 | 19.0 | |
| EDZV 27B | 26.19 | 27.53 | 2.0 | 150 | 2.0 | 150 | 0.5 | 0.1 | 21.0 | |
| EDZV 30B | 29.19 | 30.69 | 2.0 | 200 | 2.0 | 200 | 0.5 | 0.1 | 23.0 | |
| EDZV 33B | 32.15 | 33.79 | 2.0 | 250 | 2.0 | 250 | 0.5 | 0.1 | 25.0 | |
| EDZV 36B | 35.07 | 36.87 | 2.0 | 300 | 2.0 | 300 | 0.5 | 0.1 | 27.0 | |

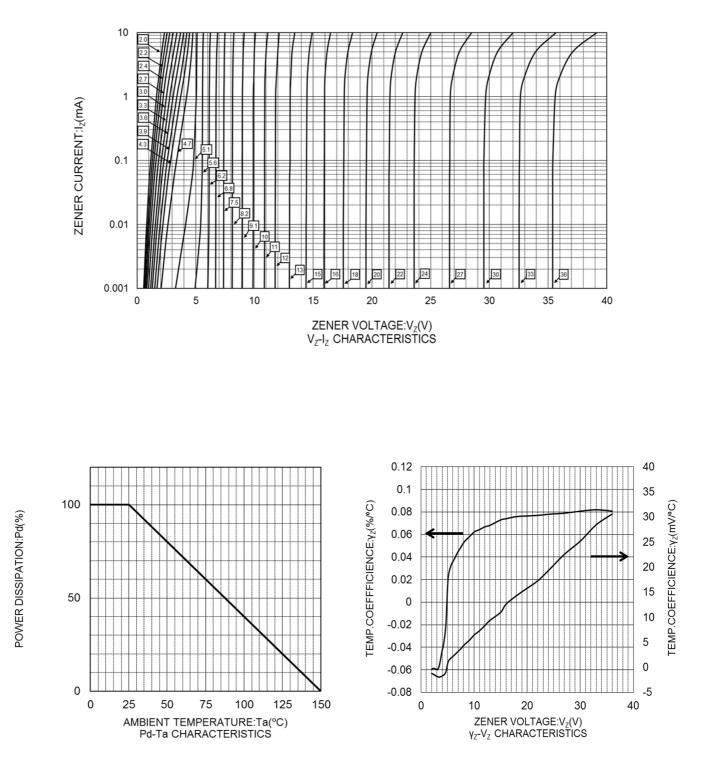
Zener voltage (Vz) is measured by applying current with 40ms pulse. Dynamic resistance (Zz) is measured by applying small current (AC) and specified current (Iz) simultaneously

Marking

| P/N | Marking | P/N | Marking |
|-----------|---------|-----------|---------|
| EDZV 2.0B | 02 | EDZV 9.1B | L2 |
| EDZV 2.2B | 12 | EDZV 10B | 05 |
| EDZV 2.4B | 22 | EDZV 11B | 15 |
| EDZV 2.7B | 32 | EDZV 12B | 25 |
| EDZV 3.0B | 42 | EDZV 13B | 35 |
| EDZV 3.3B | 52 | EDZV 15B | 45 |
| EDZV 3.6B | 62 | EDZV 16B | 55 |
| EDZV 3.9B | 72 | EDZV 18B | 65 |
| EDZV 4.3B | 82 | EDZV 20B | 75 |
| EDZV 4.7B | 92 | EDZV 22B | 85 |
| EDZV 5.1B | A2 | EDZV 24B | 95 |
| EDZV 5.6B | 2 | EDZV 27B | A5 |
| EDZV 6.2B | E2 | EDZV 30B | C5 |
| EDZV 6.8B | F2 | EDZV 33B | Б |
| EDZV 7.5B | H2 | EDZV 36B | F5 |
| EDZV 8.2B | J2 | | |

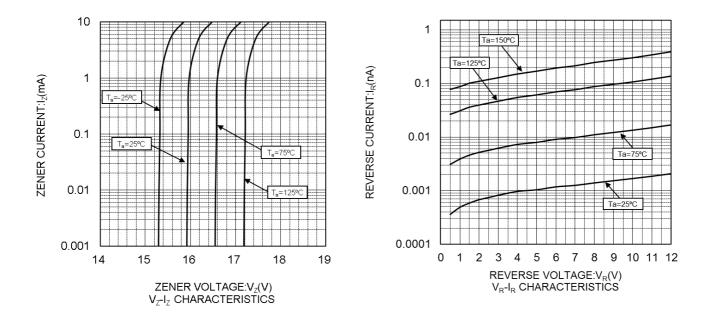


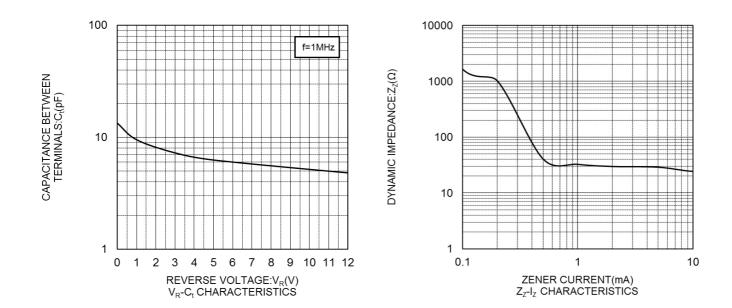
Characteristic Curves





Characteristic Curves

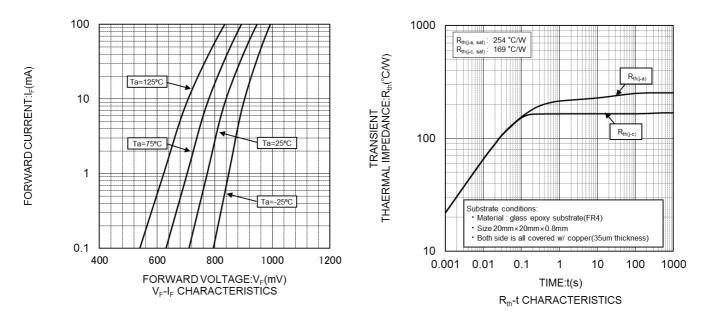




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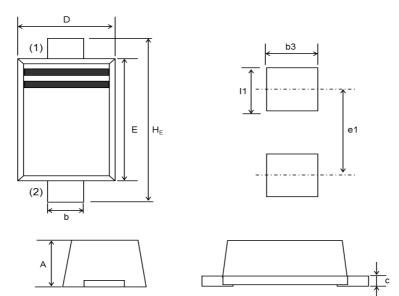


Characteristic Curves





• Dimension (EMD2 SOD-523 SC-79)

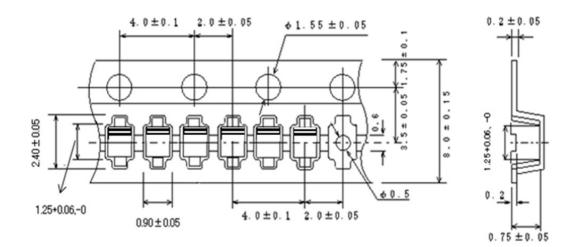


| DIM | Milimeters | | | Inches | | | |
|-----|------------|---------|------|--------|---------|-------|--|
| | Min. | Average | Max. | Min. | Average | Max. | |
| А | 0.50 | 0.60 | 0.70 | 0.020 | 0.024 | 0.028 | |
| b | 0.25 | 0.30 | 0.35 | 0.010 | 0.012 | 0.014 | |
| с | 0.07 | 0.12 | 0.17 | 0.003 | 0.005 | 0.007 | |
| D | 0.75 | 0.80 | 0.85 | 0.030 | 0.031 | 0.033 | |
| E | 1.15 | 1.20 | 1.25 | 0.045 | 0.047 | 0.049 | |
| HE | 1.50 | 1.60 | 1.70 | 0.059 | 0.063 | 0.067 | |
| 11 | - | 0.60 | - | - | 0.024 | - | |
| b3 | - | 0.80 | - | - | 0.031 | - | |
| e1 | - | 1.70 | - | - | 0.067 | - | |

(1) The marking bar indicates the cathode.

(2) The direction indicates the anode.

•Taping (Unit:mm)



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|--------|--------|------------|---------|--|
| CLASSⅢ | | CLASS II b | | |
| CLASSⅣ | CLASSⅢ | CLASSⅢ | CLASSII | |

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- 5. Please verify and confirm characteristics of the final or mounted products in using the Products.
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For details, please refer to ROHM Mounting specification

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This Product is electrostatic sensitive product, which may be damaged due to electrostatic discharge. Please take proper caution in your manufacturing process and storage so that voltage exceeding the Products maximum rating will not be applied to Products. Please take special care under dry condition (e.g. Grounding of human body / equipment / solder iron, isolation from charged objects, setting of lonizer, friction prevention and temperature / humidity control).

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 - [b] the temperature or humidity exceeds those recommended by ROHM
 - [c] the Products are exposed to direct sunshine or condensation
 - [d] the Products are exposed to high Electrostatic
- 2. Even under ROHM recommended storage condition, solderability of products out of recommended storage time period may be degraded. It is strongly recommended to confirm solderability before using Products of which storage time is exceeding the recommended storage time period.
- 3. Store / transport cartons in the correct direction, which is indicated on a carton with a symbol. Otherwise bent leads may occur due to excessive stress applied when dropping of a carton.
- 4. Use Products within the specified time after opening a humidity barrier bag. Baking is required before using Products of which storage time is exceeding the recommended storage time period.

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 1N964BRL
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