

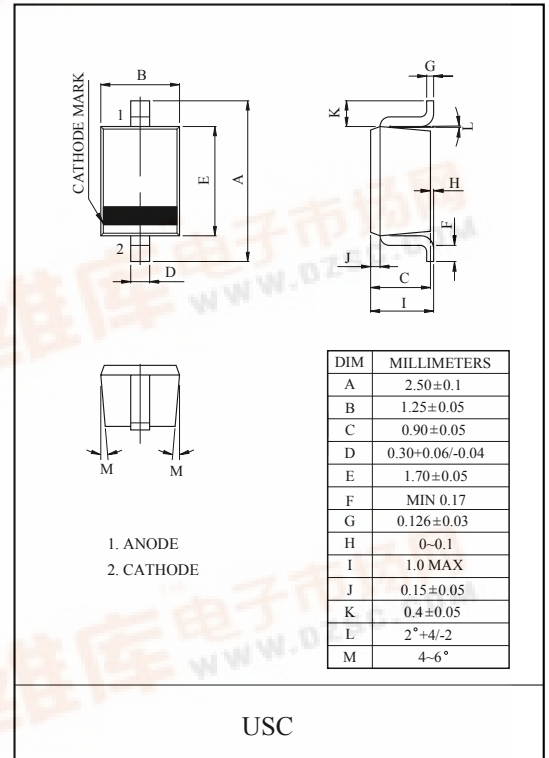
CONSTANT VOLTAGE REGULATION APPLICATION.  
REFERENCE VOLTAGE APPLICATION.

#### FEATURES

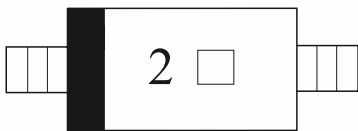
- Small Package : USC
- Nominal Voltage Tolerance About  $\pm 6\%$ .

#### MAXIMUM RATING (Ta=25°C)

| CHARACTERISTIC            | SYMBOL    | RATING    | UNIT |
|---------------------------|-----------|-----------|------|
| Power Dissipation         | $P_D$     | 150       | mW   |
| Junction Temperature      | $T_j$     | 150       | °C   |
| Storage Temperature Range | $T_{stg}$ | -55 ~ 150 | °C   |



Example 1) 2.0V ~ 2.7V



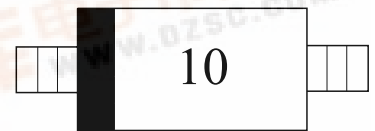
- KDZ2.0V → 2A
- KDZ2.2V → 2B
- KDZ2.4V → 2C
- KDZ2.7V → 2D

Example 2) 3.0V ~ 9.1V



Example : KDZ3.0V

Example 3) 10V ~ 24V



Example : KDZ10V

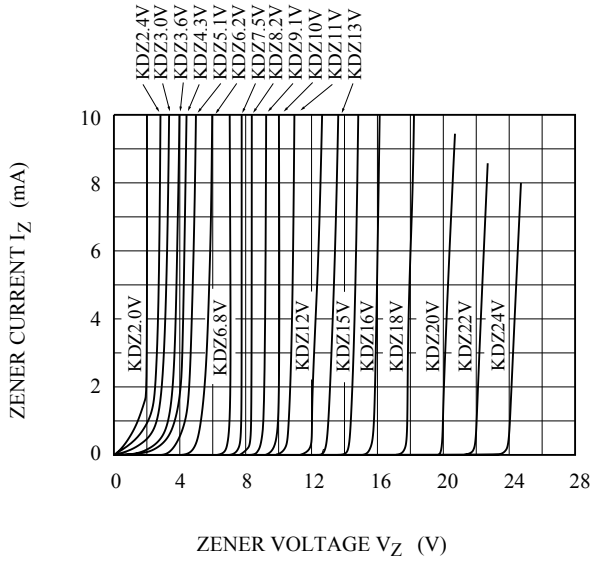
# KDZ2.0V~24V

## ELECTRICAL CHARACTERISTICS (Ta=25°C)

| TYPE No. | Zener Voltage Vz (V) |       |         | Dynamic Impedance Zz (Ω) |         | KNEE Dynamic Impedance Zzk (Ω) |         | Reverse Current IR (μA) |       |
|----------|----------------------|-------|---------|--------------------------|---------|--------------------------------|---------|-------------------------|-------|
|          | Min.                 | Max.  | Iz (mA) | MAX.                     | Iz (mA) | MAX.                           | Iz (mA) | MAX.                    | VR(V) |
| KDZ2.0V  | 1.85                 | 2.15  | 5       | 100                      | 5       | 1000                           | 0.5     | 120                     | 1.0   |
| KDZ2.2V  | 2.05                 | 2.38  | 5       | 100                      | 5       | 1000                           | 0.5     | 120                     | 1.0   |
| KDZ2.4V  | 2.28                 | 2.60  | 5       | 100                      | 5       | 1000                           | 0.5     | 120                     | 1.0   |
| KDZ2.7V  | 2.50                 | 2.90  | 5       | 110                      | 5       | 1000                           | 0.5     | 120                     | 1.0   |
| KDZ3.0V  | 2.80                 | 3.20  | 5       | 120                      | 5       | 1000                           | 0.5     | 50                      | 1.0   |
| KDZ3.3V  | 3.10                 | 3.50  | 5       | 130                      | 5       | 1000                           | 0.5     | 20                      | 1.0   |
| KDZ3.6V  | 3.40                 | 3.80  | 5       | 130                      | 5       | 1000                           | 0.5     | 10                      | 1.0   |
| KDZ3.9V  | 3.70                 | 4.10  | 5       | 130                      | 5       | 1000                           | 0.5     | 10                      | 1.0   |
| KDZ4.3V  | 4.00                 | 4.50  | 5       | 130                      | 5       | 1000                           | 0.5     | 5                       | 1.0   |
| KDZ4.7V  | 4.40                 | 4.90  | 5       | 120                      | 5       | 1000                           | 0.5     | 5                       | 1.0   |
| KDZ5.1V  | 4.80                 | 5.40  | 5       | 70                       | 5       | 1000                           | 0.5     | 1                       | 1.5   |
| KDZ5.6V  | 5.30                 | 6.00  | 5       | 40                       | 5       | 900                            | 0.5     | 1                       | 2.5   |
| KDZ6.2V  | 5.80                 | 6.60  | 5       | 30                       | 5       | 500                            | 0.5     | 1                       | 3.0   |
| KDZ6.8V  | 6.40                 | 7.20  | 5       | 25                       | 5       | 150                            | 0.5     | 0.5                     | 5.0   |
| KDZ7.5V  | 7.00                 | 7.90  | 5       | 23                       | 5       | 120                            | 0.5     | 0.5                     | 6.0   |
| KDZ8.2V  | 7.70                 | 8.70  | 5       | 20                       | 5       | 120                            | 0.5     | 0.5                     | 6.5   |
| KDZ9.1V  | 8.50                 | 9.60  | 5       | 18                       | 5       | 120                            | 0.5     | 0.5                     | 7.0   |
| KDZ10V   | 9.40                 | 10.60 | 5       | 15                       | 5       | 120                            | 0.5     | 0.5                     | 8.0   |
| KDZ11V   | 10.40                | 11.60 | 5       | 15                       | 5       | 120                            | 0.5     | 0.5                     | 8.5   |
| KDZ12V   | 11.40                | 12.60 | 5       | 15                       | 5       | 110                            | 0.5     | 0.5                     | 9.0   |
| KDZ13V   | 12.40                | 14.10 | 5       | 15                       | 5       | 110                            | 0.5     | 0.5                     | 10    |
| KDZ15V   | 13.80                | 15.60 | 5       | 15                       | 5       | 110                            | 0.5     | 0.5                     | 11    |
| KDZ16V   | 15.30                | 17.10 | 5       | 18                       | 5       | 150                            | 0.5     | 0.5                     | 12    |
| KDZ18V   | 16.80                | 19.10 | 5       | 20                       | 5       | 150                            | 0.5     | 0.5                     | 14    |
| KDZ20V   | 18.80                | 21.20 | 5       | 25                       | 5       | 200                            | 0.5     | 0.5                     | 15    |
| KDZ22V   | 20.80                | 23.30 | 5       | 30                       | 5       | 200                            | 0.5     | 0.5                     | 17    |
| KDZ24V   | 22.80                | 25.60 | 5       | 40                       | 5       | 200                            | 0.5     | 0.5                     | 19    |

# KDZ2.0V~24V

$I_Z - V_Z$



$P_d - T_a$

