

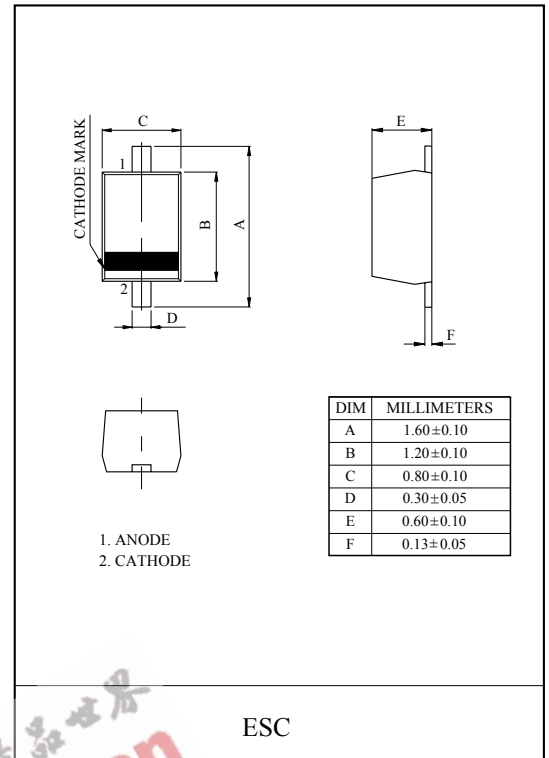
CONSTANT VOLTAGE REGULATION APPLICATION.
REFERENCE VOLTAGE APPLICATION.

FEATURES

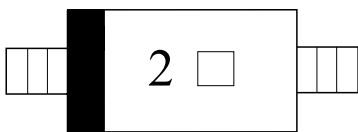
- Small Package : ESC
- Nominal Voltage Tolerance About $\pm 6\%$.

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 |

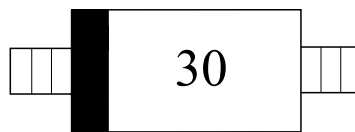


Example 1) 2.0V ~ 2.7V



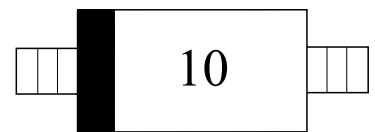
KDZ2.0EV → 2A
 KDZ2.2EV → 2B
 KDZ2.4EV → 2C
 KDZ2.7EV → 2D

Example 2) 3.0V ~ 9.1V



Example : KDZ3.0EV

Example 3) 10V ~ 24V



Example : KDZ10EV

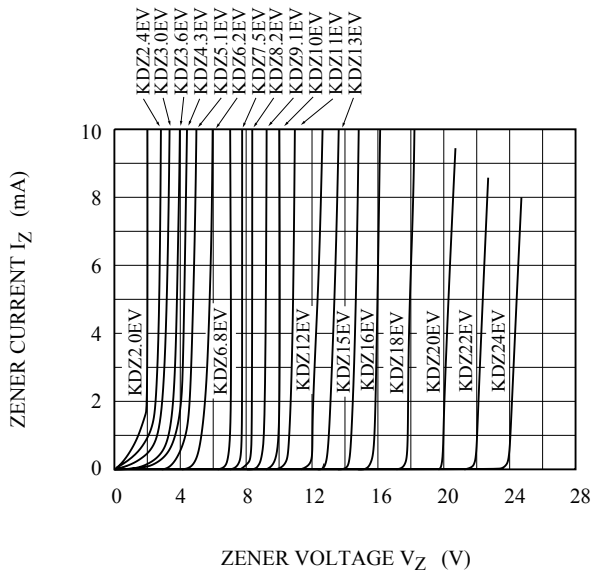
KDZ2.0EV~24EV

ELECTRICAL CHARACTERISTICS (Ta=25°C)

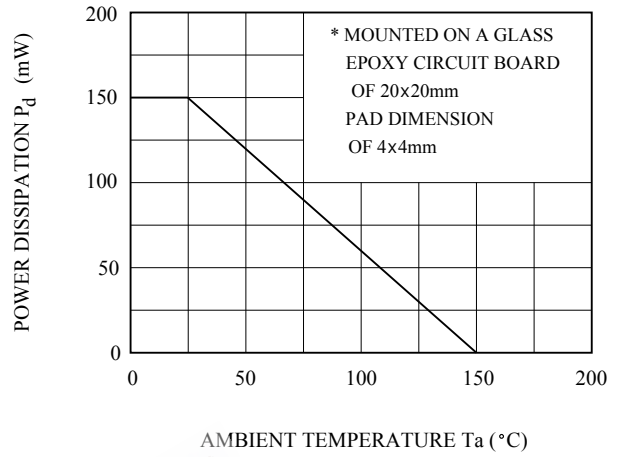
| TYPE No. | Zener Voltage Vz (V) | | | Dynamic Impedance Zz (Ω) | | KNEE Dynamic Impedance Zzk (Ω) | | Reverse Current IR (μA) | |
|----------|----------------------|-------|---------|--------------------------|---------|--------------------------------|---------|-------------------------|-------|
| | Min. | Max. | Iz (mA) | MAX. | Iz (mA) | MAX. | Iz (mA) | MAX. | VR(V) |
| KDZ2.0EV | 1.85 | 2.15 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| KDZ2.2EV | 2.05 | 2.38 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| KDZ2.4EV | 2.28 | 2.60 | 5 | 100 | 5 | 1000 | 0.5 | 120 | 1.0 |
| KDZ2.7EV | 2.50 | 2.90 | 5 | 110 | 5 | 1000 | 0.5 | 120 | 1.0 |
| KDZ3.0EV | 2.80 | 3.20 | 5 | 120 | 5 | 1000 | 0.5 | 50 | 1.0 |
| KDZ3.3EV | 3.10 | 3.50 | 5 | 130 | 5 | 1000 | 0.5 | 20 | 1.0 |
| KDZ3.6EV | 3.40 | 3.80 | 5 | 130 | 5 | 1000 | 0.5 | 10 | 1.0 |
| KDZ3.9EV | 3.70 | 4.10 | 5 | 130 | 5 | 1000 | 0.5 | 10 | 1.0 |
| KDZ4.3EV | 4.00 | 4.50 | 5 | 130 | 5 | 1000 | 0.5 | 5 | 1.0 |
| KDZ4.7EV | 4.40 | 4.90 | 5 | 120 | 5 | 1000 | 0.5 | 5 | 1.0 |
| KDZ5.1EV | 4.80 | 5.40 | 5 | 70 | 5 | 1000 | 0.5 | 1 | 1.5 |
| KDZ5.6EV | 5.30 | 6.00 | 5 | 40 | 5 | 900 | 0.5 | 1 | 2.5 |
| KDZ6.2EV | 5.80 | 6.60 | 5 | 30 | 5 | 500 | 0.5 | 1 | 3.0 |
| KDZ6.8EV | 6.40 | 7.20 | 5 | 25 | 5 | 150 | 0.5 | 0.5 | 5.0 |
| KDZ7.5EV | 7.00 | 7.90 | 5 | 23 | 5 | 120 | 0.5 | 0.5 | 6.0 |
| KDZ8.2EV | 7.70 | 8.70 | 5 | 20 | 5 | 120 | 0.5 | 0.5 | 6.5 |
| KDZ9.1EV | 8.50 | 9.60 | 5 | 18 | 5 | 120 | 0.5 | 0.5 | 7.0 |
| KDZ10EV | 9.40 | 10.60 | 5 | 15 | 5 | 120 | 0.5 | 0.5 | 8.0 |
| KDZ11EV | 10.40 | 11.60 | 5 | 15 | 5 | 120 | 0.5 | 0.5 | 8.5 |
| KDZ12EV | 11.40 | 12.60 | 5 | 15 | 5 | 110 | 0.5 | 0.5 | 9.0 |
| KDZ13EV | 12.40 | 14.10 | 5 | 15 | 5 | 110 | 0.5 | 0.5 | 10 |
| KDZ15EV | 13.80 | 15.60 | 5 | 15 | 5 | 110 | 0.5 | 0.5 | 11 |
| KDZ16EV | 15.30 | 17.10 | 5 | 18 | 5 | 150 | 0.5 | 0.5 | 12 |
| KDZ18EV | 16.80 | 19.10 | 5 | 20 | 5 | 150 | 0.5 | 0.5 | 14 |
| KDZ20EV | 18.80 | 21.20 | 5 | 25 | 5 | 200 | 0.5 | 0.5 | 15 |
| KDZ22EV | 20.80 | 23.30 | 5 | 30 | 5 | 200 | 0.5 | 0.5 | 17 |
| KDZ24EV | 22.80 | 25.60 | 5 | 40 | 5 | 200 | 0.5 | 0.5 | 19 |

KDZ2.0EV~24EV

$I_Z - V_Z$



$P_d - T_a$



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