

TOSHIBA DIODES FOR PROTECTING AGAINST ESD EPITAXIAL PLANAR TYPE

01BZA8.2

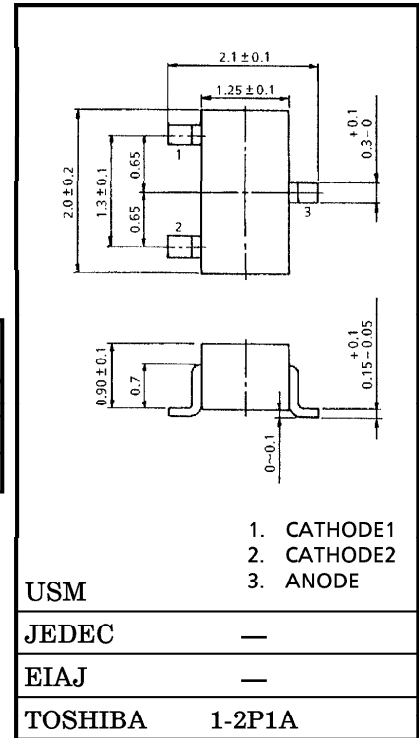
DIODES FOR PROTECTING AGAINST ESD

Unit in mm

- Because two devices are mounted on an ultra compact package, it is possible to allow reducing the number of the parts and the mounting cost.

MAXIMUM RATINGS (Ta = 25°C)

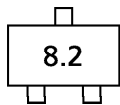
| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|------------------|---------|------|
| Power Dissipation | P | 100 | mW |
| Junction Temperature | T _j | 125 | °C |
| Storage Temperature Range | T _{stg} | -55~125 | °C |



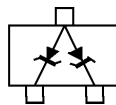
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|------------------------|-----------------|------------------------|------|------|------|------|
| Zener Voltage | V _Z | I _Z = 5mA | 7.7 | 8.2 | 8.7 | V |
| Dynamic Impedance | Z _Z | I _Z = 5mA | — | 15 | — | Ω |
| Knee Dynamic Impedance | Z _{ZK} | I _Z = 0.5mA | — | 20 | — | Ω |
| Reverse Current | I _R | V _R = 6.5V | — | — | 0.5 | μA |

MARKING



EQUIVALENT CIRCUIT (TOP VIEW)



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