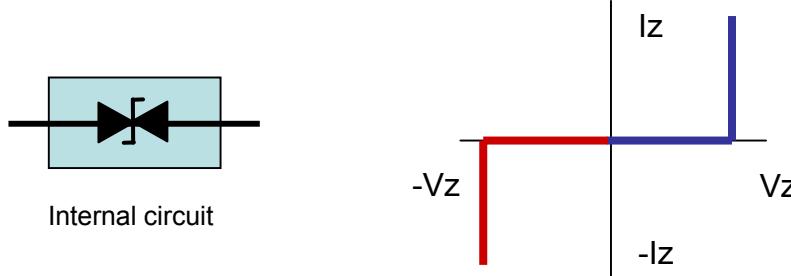


Bidirectional Zener Diodes for Surge Absorption

~ For the protection of LIN/CAN-BUS line and noise limiter ~ Oct 2008

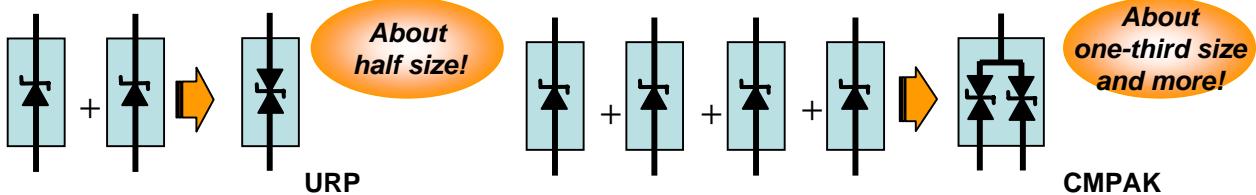
■ What is the Bidirectional Zener Diode for Surge Absorption?

Both forward and reverse directions have same characteristics as normal zener diodes for surge absorption. And it protects from the surges of plus and minus.



■ Features

► 1 element achieves the surge absorption of both forward and reverse directions. Therefore it is able to reduce the mounting area and the cost.



► High ESD Immunity (min.30kV guaranteed; Conform to IEC61000-4-2)

Product Lineup of RKZ-T Series

| Part No. | Package | Power dissipation | Characteristics | | |
|------------|---------|-------------------|---------------------------------|--------------------------|------------------------------|
| | | | Zener voltage Vz(V) (Iz=1mA) | C(pF) (VR=0V, f=1MHz) | ESD(KV) (C=150pF, R=330Ω) |
| RKZ16TKG | URP | 200mW | 14.5~17.5 | max.(30pF) | min.30kV |
| RKZ18TKG | | | 16.2~19.5 | | |
| RKZ27TKG | | | 26.2~31.5 | | |
| RKZ16TWAQE | CMPAK | 200mW | 14.5~17.5 | | |
| RKZ18TWAQE | | | 16.2~19.5 | | |
| RKZ27TWAQE | | | 26.2~31.5 | | |

■ Application Examples

For the protection of LIN and CAN-BUS line.

(LIN: Local Interconnect Network, CAN: Controller Area Network)

