



### Power derating



### Pinch-off current Temperature



### CRD in parallel

The use of CRD in parallel increases their current handling capabilities.

### Increasing the voltage range using a zener diode

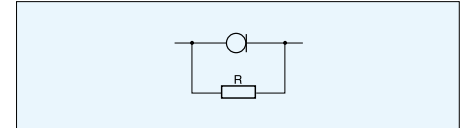
Connecting zener diodes in series with the line ensures that the current is constant in high-voltage area.



### The compensation of current reduction due to self heating

Placing resistors in parallel with CRD can correct any current decrease when the applied voltage increases. The following values are typical for correction resistors.

E-102	1M $\Omega$	E-352	82k $\Omega$
E-152	390k $\Omega$	E-452	56k $\Omega$
E-202	240k $\Omega$	E-562	39k $\Omega$
E-272	120k $\Omega$		



Compensative resistor is not necessary if the current value is less than 1 mA.



### Dynamic characteristics (saturation characteristics)

