

## diode\_zener\_r.ece

```
mainnodes: p n
outvar:
+ v1=v1_of_d1
+ pwr_elec=pwr_elec_of_ece
rparms:
+ r_on=1m
+ r_off=100k
+ v_on=0.7
+ v_z=5
```

### Description

`diode_zener_r.ece` is an  $R_{\text{on}}/R_{\text{off}}$  model of a Zener diode. The parameter `v_on` specifies  $V_{\text{on}}$  of the diode, and `v_z` specifies  $V_Z$  of the diode.

The output variable `v1` provides the voltage across the diode ( $V_p - V_n$ ), and `pwr_elec` gives the electrical power.

AC behaviour is not implemented.