The noise of R1 is modeled in V1

R1

out

V1
value=0
dc=0
dcvar=0
noise={4*k*T*R_s}

+

value={R_s}
noisetemp=0
noiseflow=0
dcvar=0 dcvarlot=0

-

R2
value={R_p}
noisetemp={T}
noiseflow={f_ell}
dcvar=0 dcvarlot=0

+

.param R_s=600 R_p=1k f_ell=10
.detector V_out   .source V1