Section 5 RC Circuit

```
syms s C R
Zc=1/(s*C);
Av5 = simplifyFraction(R/(R+Zc));
C=0.0047;R=10;
Av5=subs(Av5);
[symNum, symDen] = numden(Av5);
num = sym2poly(symNum);
den = sym2poly(symDen);
Av5TF = tf(num,den);
opts = bodeoptions;
opts.Grid = 'on';
opts.PhaseVisible = 'off';
opts.FreqUnits = 'Hz';
bode(Av5TF,opts)
```

Bode Diagram