$$\frac{1}{1} \chi_{c}(\omega) = \frac{u(\omega)}{i(\omega)} = \frac{u_{0}e^{j\omega t}}{i_{0}e^{j\omega t}}$$

$$i(t) = c\frac{du}{dt} = j\omega c u_{0}e^{j\omega t}$$

$$= \chi_{c}(\omega) = \frac{1}{2\omega c} = -\frac{1}{2\omega c}$$

120 (1VI)

10

-20

-30

-46-

-02-

-60-