



$$A = \begin{bmatrix} 1 + \frac{z_1}{z_2} & z_1 \\ \frac{1}{z_2} & 1 \end{bmatrix}$$

$$\left. \frac{U_a}{U_e} \right|_{I_a=0} = \frac{1}{A_{11}} = \frac{1}{1 + \frac{z_1}{z_2}}$$

$$z_1 = R_2$$

$$z_2 = z_c + R_1$$

$$\frac{U_a}{U_e} = \frac{1}{1 + \frac{R_2}{\frac{1 + R_1 j\omega C}{j\omega C}}}$$

$$T_1 = R_2 C$$

$$T_2 = R_1 C$$

$$\frac{U_a}{U_e} = \frac{1 + j\omega T_2}{1 + j\omega T_1 + j\omega T_2}$$

$$U_a j\omega T_1 + U_a j\omega T_2 + U_a = U_e + U_e j\omega T_2$$

$$\boxed{U_a (T_1 + T_2) + U_a = U_e T_2 + U_e}$$