

$$\begin{cases}
V_{R} = V_{C2} - V_{D} = V_{C2} \\
V_{R} = V_{C2} - V_{D} = V_{C2}
\end{cases}$$

$$\begin{cases}
V_{R} = V_{C1} - V_{D} = V_{C2} \\
V_{C2} = V_{C1} - V_{R3} = \frac{\int_{j\omega C_{2}}^{l} U_{C1}}{\int_{j\omega C_{2}}^{l} + R_{3}} V_{C1} = \frac{1}{1 + j\omega C_{2}R_{3}} V_{C1} \\
V_{R3} = \frac{R_{3}}{j\omega C_{2}} + R_{3} V_{C1} = \frac{\int_{l}^{l\omega C_{2}} U_{C1}}{1 + j\omega C_{2}R_{3}} V_{C1}
\end{cases}$$

$$\int U_{A} = -U_{R3} - U_{0} = -U_{R3}$$

$$\Rightarrow \frac{U_{\varepsilon}}{U_{A}} = -\frac{U_{R1} + U_{c1}}{U_{R3}} = -\frac{I_{1}R_{1} + \frac{1}{1+j\omega l_{2}R_{3}}}{\frac{1}{1+j\omega l_{3}R_{3}}} U_{c1}$$

$$= \frac{U_{2}}{I_{2}} = \frac{U_{2}}{R_{2}} = \frac{U_{2}}{R_{2}} = \frac{U_{2}}{R_{2}} = \frac{U_{2}}{R_{2}}$$

$$= \frac{U_{2}}{R_{2}} = \frac{U_{2}}{$$

$$\frac{\int_{1+j\omega L_{2}R_{3}}^{j\omega L_{3}R_{3}}V_{C1}}{1+j\omega L_{2}R_{3}}V_{C1}+j\omega L_{2}V_{C1}+j\omega L_{2}R_{3}}V_{C1})R_{1}+\frac{1}{1+j\omega L_{2}R_{3}}V_{C1}}{\frac{\int_{1+j\omega L_{2}R_{3}}^{j\omega L_{3}R_{3}}V_{C1}}{1+j\omega L_{2}R_{3}}}V_{C1}}$$