

$$\frac{V_S}{V_L} = \frac{-j\omega \frac{C_3}{R_1}}{j^2 \omega^2 C_3 C_4 + \left[\frac{R_1 + R_2}{R_5 R_1 R_2} + j\omega \left[\frac{C_3 + C_4}{R_5} \right] \right]}$$

$$\frac{V_S}{V_L} = \frac{-j\omega \frac{C_3}{R_1} \left(\frac{R_5 R_1 R_2}{R_1 + R_2} \right)}{1 + j\omega \left(\frac{C_3 + C_4}{R_5} \right) \frac{R_5 R_1 R_2}{R_1 + R_2} + j^2 \omega^2 C_3 C_4 \frac{R_5 R_1 R_2}{R_1 + R_2}}$$

$$\frac{V_S}{V_L} = \frac{-j\omega \frac{C_3}{R_1} \frac{R_5 R_1 R_2}{(R_1 + R_2)}}{1 + j\omega (C_3 + C_4) \frac{R_1 R_2}{R_1 + R_2} + j^2 C_3 C_4 \omega^2 \frac{R_5 R_1 R_2}{R_1 + R_2}}$$

$$= \frac{2jA \zeta \left(\frac{\omega}{\omega_0} \right)}{1 + 2j \zeta \left(\frac{\omega}{\omega_0} \right) + \left(\frac{j\omega}{\omega_0} \right)^2}$$