

$$T(\omega) = \frac{V_D}{V_e} = \frac{-\frac{1}{R_1} C_3 \omega R_5 \left(\frac{R_1 R_2}{R_1 + R_2} \right)}{\left[\omega^2 C_3 C_4 + \frac{1}{R_5} \left\{ \frac{1}{R_1} + \frac{1}{R_2} + \omega (C_3 + C_4) \right\} \right] \frac{R_5 R_1 R_2}{R_1 + R_2}}$$

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

$2\gamma \Sigma \left(\frac{\omega}{\omega_0} \right)$
 $\left(\frac{\omega}{\omega_0} \right)^2$

$$\omega_0^2 = \frac{R_1 + R_2}{C_3 C_4 R_1 R_2 R_5}$$

$$\Sigma = \frac{C_3 + C_4}{2} \left(\frac{R_1 R_2}{R_1 + R_2} \right) \cdot \sqrt{\frac{R_1 + R_2}{R_1 R_2 R_5 C_3 C_4}}$$

$$A = -\frac{R_5}{R_1} \frac{C_3}{C_3 + C_4}$$