$$H(S) = -\frac{R2}{R1}$$
  $S = \frac{R1 \cdot R3}{R2 \cdot L1}$  Deagrama de  $S = \frac{81 \cdot R3}{C1}$   $S = \frac{R3}{C1}$   $S = \frac{R1 \cdot R3}{C1}$  Deagrama de  $S = \frac{81 \cdot R3}{C1}$   $S = \frac{R1 \cdot R3}{C1}$ 

$$H(w) = H(S)$$

$$S = \hat{s}w = \frac{sw - \frac{R7 \cdot R3}{R2 \cdot C_1}}{jw + \frac{R3}{C_2}}$$

$$|H(w)| = \left| \frac{\partial w - \frac{R_7 \cdot R_3}{R_2 \cdot \ell_1}}{\partial w + \frac{R_3}{\ell_1}} \right| = \sqrt{w^2 + \left(\frac{R_7 R_3}{R_2 \cdot \ell_1}\right)^2} - \sqrt{w^2 + \frac{R_7 R_3}{R_2 \cdot \ell_1}} = \sqrt{w^2 + \frac{R_7 R_3}{R_2 \cdot \ell_1}}$$

$$\Theta(w) = \Delta H(w) = \text{are tang}\left(\frac{H_{\Sigma}(w)}{H_{\Sigma}(w)}\right) + (w) = |H(w)| \cdot e^{\frac{1}{2}} \left(\frac{w}{R_{\Sigma}(2)}\right)$$

is (are trang( 
$$\frac{wRz(1)}{R7R3}$$
) - arctang(  $\frac{w(17)}{R3}$ ))

i'c 
$$O(w) = arctang(\frac{wR_2(1)}{R_7R_3}) - arctang(\frac{w(1)}{R_3})$$