

$$T(s) = \frac{1/4\epsilon}{s^{3}+1/2s} \frac{s^{3}+1/3s}{s^{4}+1/3s} \frac{s^{4}+1/3s}{4\epsilon}$$

$$S_{1} = -0.6283$$

$$S_{2} = -0.31 - 5.1.02$$

$$(S - (-0.51 + 5.1.02))(S - (-0.31 + 5.1.02))$$

$$(S + 0.31 + 5.1.02)(S + 0.31 + 5.1.02)$$

$$(S + 0.31 + 5.1.02)(S + 0.31 + 5.1.02)$$

$$S_{2} = -0.31 - 5.1.02$$

$$(S + 0.31 + 5.1.02)(S + 0.31 + 5.1.02)$$

$$S_{3} = -0.31 - 5.1.02$$

$$(S + 0.31 + 5.1.02)(S + 0.31 + 5.1.02)$$

$$S_{4} = -0.035 + 5.1.040$$

$$S_{5} = -0.035 + 5.1$$

$$R^{2} = \frac{Q}{3} \left[ \left( \frac{2Q}{3} + \frac{b}{23Q} \right) + \sqrt{\left( \frac{2Q}{3} + \frac{b}{23Q} \right)^{2} - 1} \right] \quad \text{donde } Q = 5$$

$$Q = 162$$

$$Q = 16,21 \Rightarrow Q = 2$$

$$Q = 1,14$$

$$Q = 16,21 \Rightarrow Q = 2$$

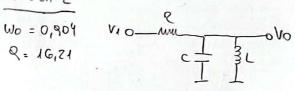
$$Q = 1,104$$

$$T_{BP}(s) = \frac{S_{01}12C_{0}}{S^{2} + S_{01}12C_{0} + 1} \frac{S_{01}C_{01}C_{01}}{S^{2} + S_{01}C_{01}C_{01}} \frac{S_{01}C_{01}C_{01}}{S^{2} + S_{01}C_{01}C_{01}} \frac{S_{01}C_{01}C_{01}}{S^{2} + S_{01}C_{01}C_{01}} \frac{S_{01}C_{01}C_{01}}{S_{01}C_{01}C_{01}C_{01}} \frac{S_{01}C_{01}C_{01}C_{01}}{S_{01}C_{0$$

$$\frac{V_0}{V_1} = \frac{s \, 1/Rc}{s^2 + s \, 1/Rc} + \frac{1/Lc}{l/Lc} = \frac{1}{l/Rc} = 0.176$$

$$\frac{V_0}{V_1} = \frac{1}{s^2 + s \, 1/Rc} + \frac{1/Lc}{l/Lc} = \frac{1}{l/Rc} = 0.176$$

$$\frac{V_0}{V_1} = \frac{1}{s^2 + s \, 1/Rc} + \frac{1/Lc}{l/Lc} = \frac{1}{l/Rc} = 0.176$$



$$|\omega_{0}|^{2} = \frac{1}{Lc} = 0,904^{2}$$

$$|\omega_{0}|^{2} = \frac{1}{Rc} = \frac{0,904}{16,21}$$

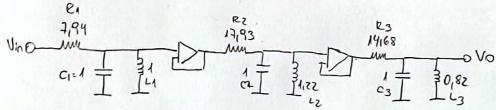
$$|\omega_{0}|^{2} = \frac{1}{Rc} = \frac{0,904}{16,21}$$

$$|\omega_{0}|^{2} = \frac{1}{Rc} = \frac{1}{16,21}$$

$$|\omega_{0}|^{2} = \frac{1}{Rc} = \frac{1}{16,21}$$

Se cción 3  

$$w_0 = 1,109$$
  $V_{10}$   $v_$ 



## Desnormalizar

$$R_1 = 7.94.1 \text{kHz}$$

$$|R_1 = 7.940.1|$$

$$|C_1 = 1.1$$

$$|C_1 = 7.23 \text{ nF}$$