PUNTO (3)

Para ajustar el valor de R_1 / $|T(0)| = 20\,dB$; $20\,dB = 20 \log(A_V)$

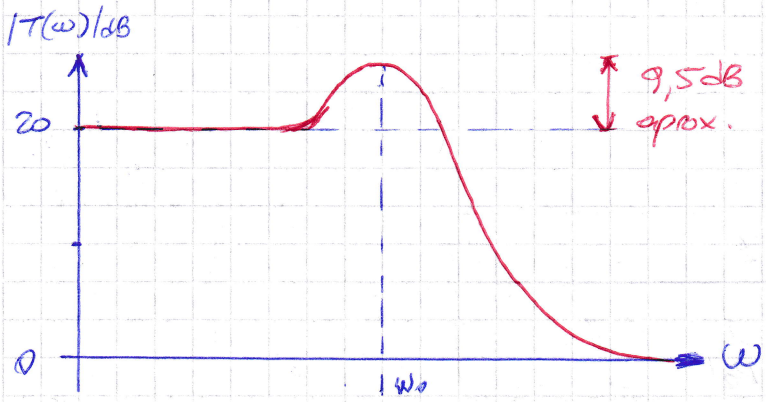
$A_V = 10^1 = 10$ //

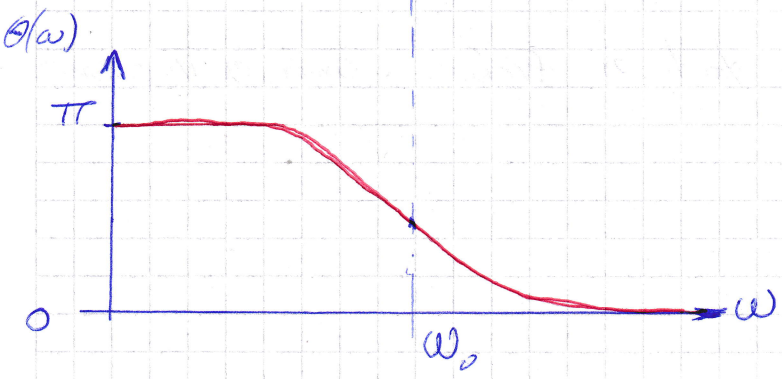
$|T(0)| = 10$

$|T(0)| = \frac{R_3}{R_1} = 10 \Rightarrow R_1 = \frac{R_3}{10}$

$R_1 = \frac{10\,k\Omega}{10} \Rightarrow \boxed{R_1 = 1\,k\Omega}$

Módulo





$Sp = -20 \log(2\xi_0)$

$= -20 \log\left(\frac{1}{Q}\right)$

$= -20 \log\left(\frac{1}{3}\right)$

$\boxed{Sp = 9,5\,dB}$