

 $|H(j\omega)|^2 = \sqrt{1+\epsilon^2(\frac{\omega}{\omega_p})^2} = \sqrt{1+(1.259)^2(\frac{1000}{500})} = \sqrt{500}$ (o. 28B = 20 lg(E) = -1093 = 35/23. = 3165 E= 1.25 q - lodB = 20 log (vova) (1000)2n (500) 25.678 Nort 2 0.316 n= 1.253 -> at least 2nd H Hoj. E. CA O. 707 = 7. 2(5) 1+(0.2) (w 500 12 (0-25) (500)10 pf25w fo= 91.41 Hz