

Sol73 R= 1002 L=1.5mH go=7 25 = 2.5 COA (425 X106+) V 121 at 500 × 10 rad | sec = ? (ev) C= 3nF Z= R+j(wl-10) = 100+j (500×10 × 1.5×10-3-S00X10 x3X16 = 100+j/250,000 - 0.66 Z(j500M)= 750X103 L89.99°1 121 = 750 KM

Is = Vs (b) 6= 425 Mrad 1 Z (j 10) Z (j 425 m) = 100 + j (425 X10 × 1.5 X163 - 1 425 X16 X3 = X163 Z = 637.5x10 L89.99 1 Is = 2.5 63.5 × 103 (89.99° Is = 3.92 ×15 6/-89.99 A =) ((t)= 3.92 × 10 6 COX (425 × 10 + - 89.99°) A