Eqn $Z\_res = abs(real(Z1)) / 3 - j * imag(Z1)$ Eqn $Z = sqrt(5 * 50)$

Eqn $C\_res = 1 / (2 * PI * freq * imag(Z1))$

Z
15.811

Z_res	C_res
0.032 - j2.855	3.717E-11

Eqn $ZL = 5$ Eqn $G1 = (S11 - GL * delta) / (1 - S22 * GL)$

22 - delta)

Eqn $GL = (ZL - 50) / (ZL + 50)$ Eqn $Z1 = 50 * (1 + G1) / (1 - G1)$

22 - delta)

G1	Z1	ZL	GL
0.996 / 173.465	0.097 + j2.855	5	-0.818

22 - delta)

ADS

S(1,1)