Standing Wave Patterns - 1

Set: Load ▼   **Review:** Plot ▼

0.0 ◄ ▶ λ

$Z_L [\Omega] = 50.0 + j\,100.0$
$Z_0 [\Omega] = 50.0$
$Z_g [\Omega] = 100.0 + j\,0.0$
$V_g [V] = 1.0 + j\,0.0$
$\varepsilon_r = 1.0$ $f[Hz] = 3.0E9$

VSWR = 5.8284

d   L = 1.0 λ = 99.9308 mm   0
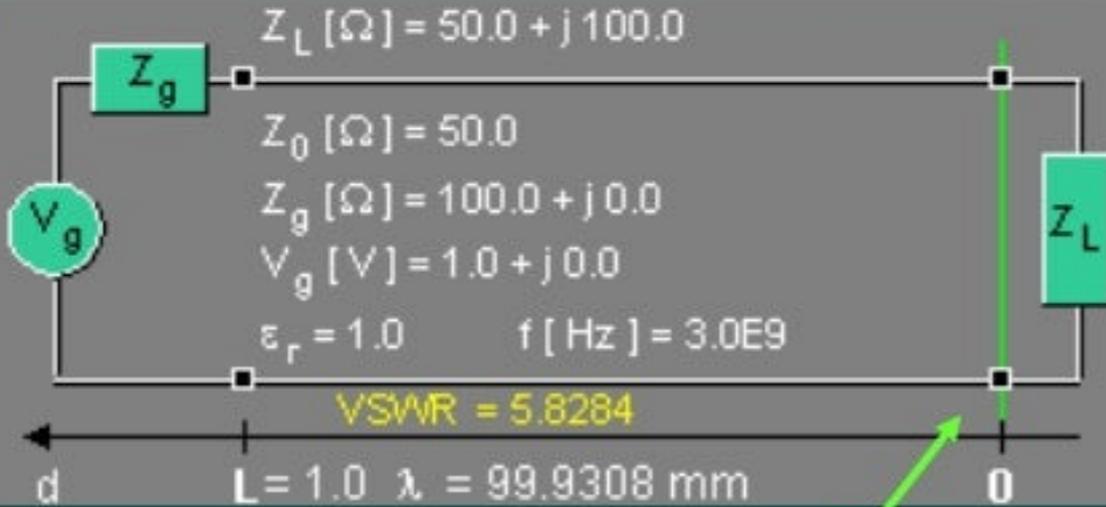
Note – the cursor is at the load location

Set Load

$Z =$ | 50 | $+ j$ | 100.0 | $[\Omega]$

○ Impedance   ○ Admittance

Update

☐ Enlarge

$1 + \Gamma$

$1 - \Gamma$
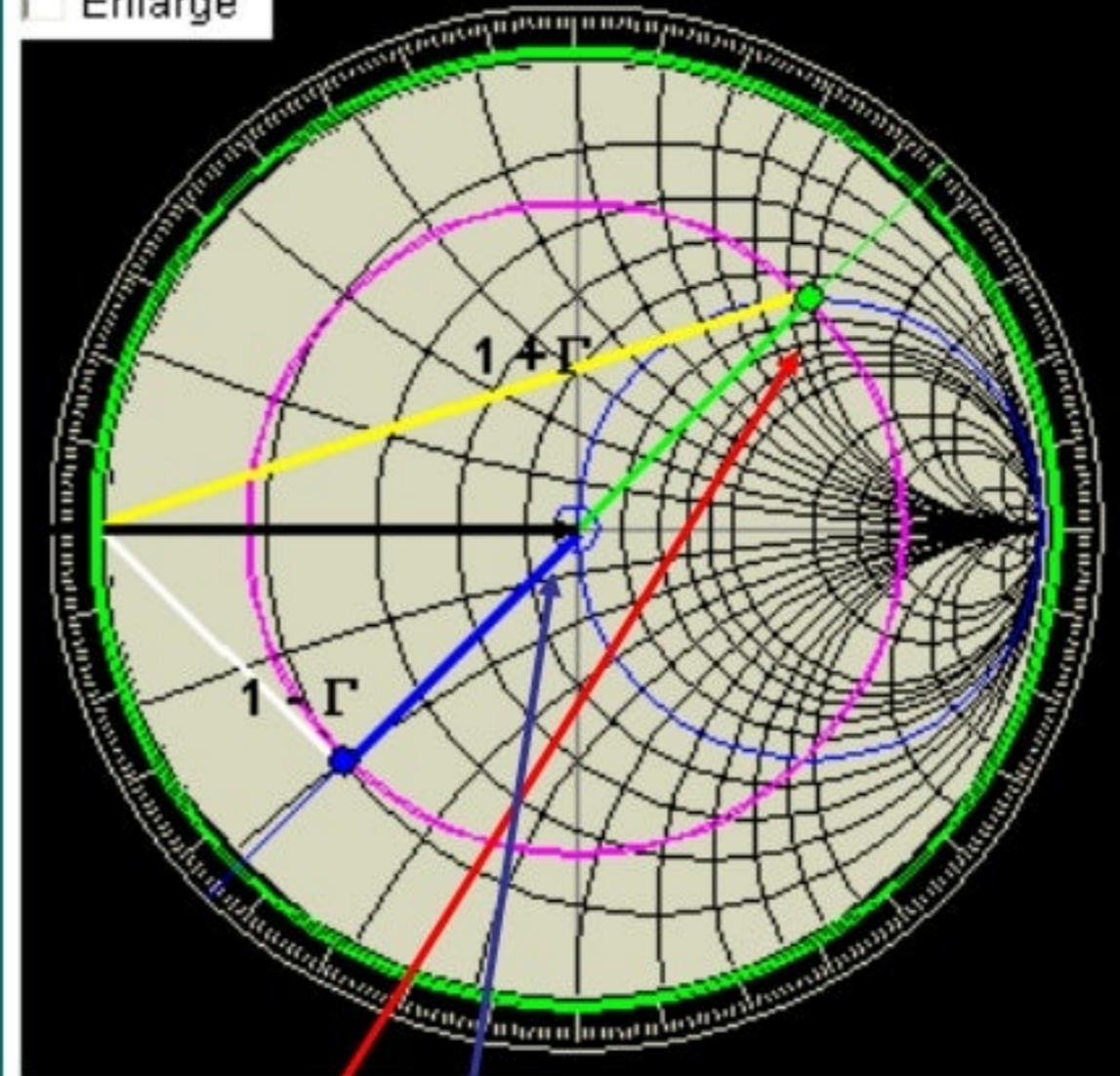
● Load Impedance =   1.0 + j 2.0
  Load Refl. Coef. =   0.70711 |_ 45.0 °
● Cursor Impedance =   1.0 + j 2.0
  Cursor Refl. Coef. =   0.70711 |_ 45.0 °
● Cursor Admittance =   0.2 - j 0.4

⌒ d = 0.0λ ¦ 2β d = 0.0 rad = 0.0°
⌒ 0.5λ-d = 0.5λ ¦ 2β (0.5λ-d) = 6.2832 rad = 360.0°

○ Impedance Grid   ○ Admittance Grid
☑ Show Grid   ☑ SWR Circle   ☑ Cursor Line

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