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Reflection coeffient (Γ) = (Zl-Zo)/(Zl+Zo), Zl => load impedance Zo => Characteristic impedance

$$= (45 + j75-100)/(45+100+75)$$
$$= 0.5697$$

VSWR = (1+ Γ) / (1- Γ)

$$= (1+0.5697)/(1- 0.5697)$$

$$= 3.6479$$