



$$R_{dc} = 3.8 \Omega$$

$$R_{max} = 28.5 \Omega$$

$$R_{12} = \sqrt{R_{dc} \cdot R_{max}} = 10.4 \Omega$$

$$\left. \begin{array}{l} f_1 = 28 \text{ Hz} \\ f_2 = 34 \text{ Hz} \end{array} \right\} \text{ from graph}$$

$$f_0 = \sqrt{f_1 \cdot f_2} = 30.8$$

$$Q_0 = \frac{f_0}{f_2 - f_1} \sqrt{\frac{R_{dc}}{R_{max}}} = 1.87$$

$$R_s = R_{max} - R_{dc} = 24.7 \Omega$$

$$L_s = \frac{R_{dc} \cdot R_s}{R_{dc} + R_s} \cdot \frac{1}{2\pi Q_0 f_0} = 9.1 \text{ mH}$$

$$C_s = \frac{1}{(2\pi f_0)^2 \cdot L_s} = 2900 \text{ pF}$$

Model:

