$$V = V(t) e^{j\omega rf t} \Delta w = \omega_r - \omega_r f$$

$$\frac{dV}{dt} + \left[\frac{\omega_r}{2Q} - j \Delta w\right] V = \frac{R\omega_r}{2Q} \left(\frac{\Gamma_G - \Gamma_B}{2Q}\right)$$

$$\frac{1}{L} = \frac{1}{L} Do + g, (V_T - V) + g_2 \int_{Q} dt, (V_T - V(t_1))$$

$$\frac{V_T}{V_0 + s_2} = \frac{1}{L} \int_{Q} dt, (V_T - V(t_1))$$

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