

$$C = \frac{[L_1 (R_L^2 + \omega^2 L_2^2) - L_2 \omega^2 M^2] (R_L^2 + \omega^2 L_2^2)}{[\omega^2 R_L M^2 - R_C (R_L^2 + \omega^2 L_2^2)]^2 + \omega^2 L_1 (R_L^2 + \omega^2 L_2^2) [L_1 (R_L^2 + \omega^2 L_2^2) - L_2 \omega^2 M^2] - \omega^4 L_2 M^2 (L_1 (R_L^2 + \omega^2 L_2^2) - L_2 \omega^2 M^2)}$$