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5-5. 1.
$$P_0 = \frac{1}{2} \frac{U_{0M}^2}{R_L} = \frac{(10\overline{2})^2}{2x^4} = 25W$$

$$P_{T} = \frac{1}{RL} \left(\frac{V_{CC}U_{OM}}{L} - \frac{U_{OM}^{2}}{7} \right) = 4.7W$$

2.
$$I_{cm} > I_{om} = \frac{v_{cc}}{R_L} = 3.75A$$

$$(p_0)_{M} = \frac{(\frac{1}{2}V_{CC} \cdot lloss)^2}{2R_L} = 0.5W$$

$$\eta = \frac{\pi}{4} \cdot \frac{\frac{1}{2} \text{Vec-Vos}}{\frac{1}{2} \text{Vec}} = 62.8\%$$

$$Lc = \frac{\frac{Vcc}{2} - Use}{RI} e = 179mV$$