5-5

解：1、此时 $V_{om} \approx V_{im} = 14.14V$

$\therefore P_o = \frac{V_{om}^2}{2R_L} = 25W \quad \eta = \pi V_{om} / 4V_{cc} = 74\%$

单管管耗 $P_{V2} = \frac{1}{R_L}\left(\frac{V_{cc}V_{om}}{\pi} - \frac{V_{om}^2}{4}\right) \approx 4.93W$

2、$V_{CEO} > 2V_{cc} = 30V$

$I_{cm} > \frac{15V}{4\Omega} = 3.75A$

$P_{CM} > 0.2\frac{V_{cc}^2}{2R_L} = 5.625W$