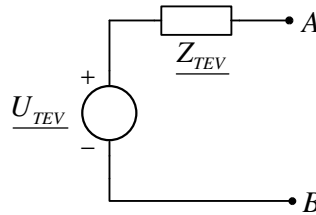


REŠENJA ZADATAKA

3. a) $Z_{TEV} = (0,2 + j0,6)\Omega$

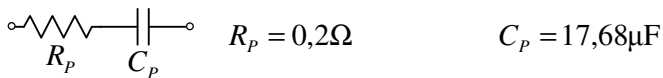
$\underline{U}_{TEV} = (0,4 + j0,2)V$



b) $\underline{S} = 0,08 + j0,04$; $P = 0,08W$; $Q = 0,04VAr$.

$\underline{I}_p = 0,3 - j0,1$; $i_p(t) = 0,447A \cos(2\pi ft - 18,43^\circ)$

c) $\underline{Z}_p = \underline{Z}_{TEV}^* = (0,2 - j0,6)\Omega$



4.

Za $-12V \leq v_G \leq -1.4V$: D_1 -ON, D_2 -OFF, $v_p[V] = -0.4(v_G[V] + 1.4)$.

Za $-1.4V \leq v_G \leq 1.4V$: D_1 -OFF, D_2 -OFF, $v_p[V] = 0 = const$.

Za $1.4V \leq v_G \leq 12V$: D_1 -OFF, D_2 -ON, $v_p[V] = 0.4(v_G[V] - 1.4)$.

