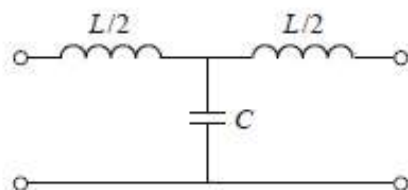


Low-Pass

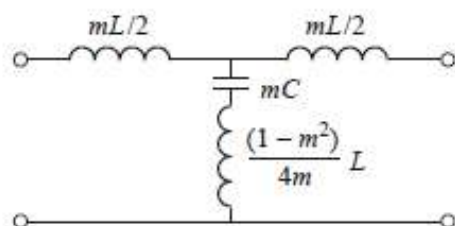
Constant- k T section



$$R_0 = \sqrt{L/C} \quad L = 2R_0/\omega_c$$

$$\omega_c = 2/\sqrt{LC} \quad C = 2/\omega_c R_0$$

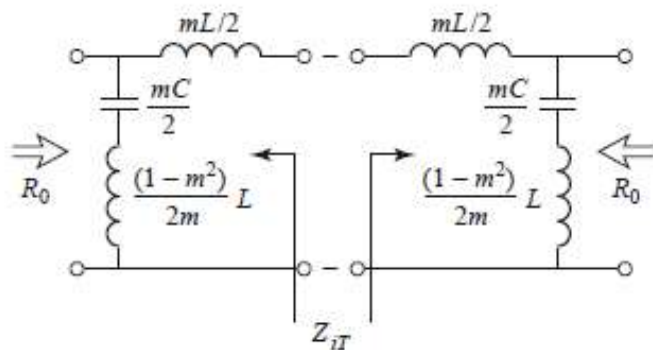
m -derived T section



L, C Same as constant- k section

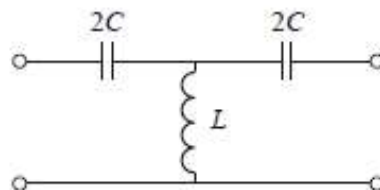
$$m = \begin{cases} \sqrt{1 - (\omega_c/\omega_\infty)^2} & \text{for sharp-cutoff} \\ 0.6 & \text{for matching} \end{cases}$$

Bisected- π matching section



High-Pass

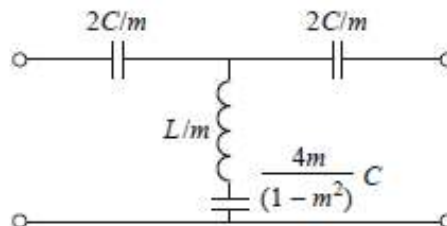
Constant- k T section



$$R_0 = \sqrt{L/C} \quad L = R_0/2\omega_c$$

$$\omega_c = 1/2\sqrt{LC} \quad C = 1/2\omega_c R_0$$

m -derived T section



L, C Same as constant- k section

$$m = \begin{cases} \sqrt{1 - (\omega_\infty/\omega_c)^2} & \text{for sharp-cutoff} \\ 0.6 & \text{for matching} \end{cases}$$

Bisected- π matching section

