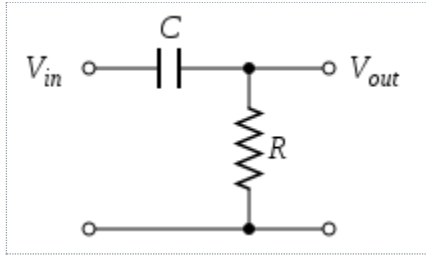


### Answer on question #85268, Engineering Electrical Engineering

Design and draw  $\pi$ - type high pass filter having cut of frequency of 2kHz and load resistance of  $500\Omega$ .

#### Solution



$$C = \frac{1}{2 \cdot \pi \cdot f \cdot R} = \frac{1}{2 \cdot 3.14 \cdot 2000 \cdot 500} = 0.1592 \cdot 10^{-6} F$$

$$R = 500 \text{ Ohm}$$

$$f = 2000 \text{ Hz}$$

Answer provided by [www.AssignmentExpert.com](http://www.AssignmentExpert.com)