

For the given specification design an analog butterworth filter

$$0.9 \leq |H(j\omega)| \leq 1 \text{ for } 0 \leq \omega \leq 0.2\pi$$

$$|H(j\omega)| \leq 0.2 \text{ for } 0.4\pi \leq \omega \leq \pi$$

$$\frac{1}{\sqrt{1+\epsilon^2}}$$

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