

Design Specifications

$$R_{MIN} = 2 \text{ k}\Omega$$

$$R_{MAX} = 30 \text{ k}\Omega$$

Frequency Range	$ V_o $
$500 \text{ Hz} \leq f \leq 1000 \text{ Hz}$	$ V_o \geq 0.8 V_{IS} $
$f < 200 \text{ Hz}$	$ V_o \leq 0.7 V_{IS} $
$f > 4 \text{ kHz}$	$ V_o \leq 0.7 V_{IS} $

Notations

f Frequency

$|V_{IS}|$ Input Signal Voltage Amplitude

$|V_o|$ Output Voltage Amplitude