

## Design Specifications

$$R_{MIN} = 700 \Omega$$

$$R_{MAX} = 10 \text{ k}\Omega$$

Frequency Range	$ V_o $
$1 \text{ Hz} \leq f < 100 \text{ Hz}$	$ V_o  \geq 0.85 V_{IS} $
$100 \text{ Hz} < f \leq 1 \text{ kHz}$	$ V_o  \geq 0.7 V_{IS} $
$f \geq 5 \text{ kHz}$	$ V_o  \leq 0.7 V_{IS} $

### Notations

$f$  Frequency

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

$|V_o|$  Output Voltage Amplitude