

## **Design Specifications**

$$R_{MIN} = 1 \text{ K}\Omega$$

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

| Frequency Range                           | $ V_o $                    |
|-------------------------------------------|----------------------------|
| $1 \text{ Hz} \leq f \leq 300 \text{ Hz}$ | $ V_o  \geq 0.70  V_{IS} $ |
| $3 \text{ KHz} \leq f \leq 8 \text{ KHz}$ | $ V_o  \geq 0.70  V_{IS} $ |
| $f \geq 8 \text{ KHz}$                    | $ V_o  \geq 0.85  V_{IS} $ |

### Notations:

$f$  – Frequency

$|V_{IS}|$  - Input signal voltage amplitude

$|V_o|$  - Output voltage amplitude