

Design Specifications

$$R_{MIN} = 500 \, \Omega$$

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

Frequency Range	$ V_o $
$1 \, \text{Hz} \leq f \leq 2 \, \text{KHz}$	$ V_o \geq 0.80 V_{IS} $
$2 \, \text{KHz} \leq f \leq 5 \, \text{KHz}$	$ V_o \geq 0.75 V_{IS} $
$f \geq 15 \, \text{KHz}$	$ V_o \geq 0.70 V_{IS} $

Notations:

f – Frequency

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

$|V_o|$ - Output voltage amplitude