

**TABLE 1** ADC RESOLUTION  
VERSUS  $\frac{1}{2}$ -LSB ERROR

ADC resolution (bits)	$\frac{1}{2}$ -LSB error
8	$1.95 \times 10^{-3}$
10	$4.88 \times 10^{-4}$
12	$1.22 \times 10^{-4}$
14	$3.05 \times 10^{-5}$
16	$7.63 \times 10^{-6}$
18	$1.91 \times 10^{-6}$