

AD7380/AD7381 Data Sheet Rev 0

Table 3. All Devices

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit
ANALOG INPUT					
Voltage Range	$(A_{INX+}) - (A_{INX-})$	$-V_{REF}$		$+V_{REF}$	V
Absolute Input Voltage	A_{INX+}, A_{INX-}	-0.1		$V_{REF} + 0.1$	V
Common-Mode Input Range	A_{INX+}, A_{INX-}		0.2 to $V_{REF} - 0.2$		V
Analog Input Common-Mode Rejection Ratio (CMRR)	$f_{IN} = 500$ kHz		-75		dB
DC Leakage Current			0.1	1	μ A
Input Capacitance	When in track mode		18		pF
	When in hold mode		5		pF
SAMPLING DYNAMICS					
Input Bandwidth	At -0.1 dB		6		MHz
	At -3 dB		25		MHz
Aperture Delay			2		ns
Aperture Delay Match			16	30	ps
Aperture Jitter			20		ps

AD7380/AD7381 Data Sheet Rev A

Table 3. All Devices

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit
ANALOG INPUT					
Voltage Range	$(A_{INX+}) - (A_{INX-})$	$-V_{REF}$		$+V_{REF}$	V
Absolute Input Voltage	A_{INX+}, A_{INX-}	-0.1		$V_{REF} + 0.1$	V
Common-Mode Input Range	A_{INX+}, A_{INX-}		0.2 to $V_{REF} - 0.2$		V
Analog Input Common-Mode Rejection Ratio (CMRR)	$f_{IN} = 500$ kHz		-75		dB
DC Leakage Current			0.1	1	μ A
Input Capacitance	When in track mode		18		pF
	When in hold mode		5		pF
SAMPLING DYNAMICS					
Input Bandwidth	At -0.1 dB		6		MHz
	At -3 dB		25		MHz
Aperture Delay			2		ns
Aperture Delay Match			26	100	ps
Aperture Jitter			20		ps
REFERENCE INPUT AND OUTPUT					