

DC CHARACTERISTICS: V_{DD} as shown, $V_{SS} = 0$ V (See Note 1)

SYMBOL	PARAMETER	LIMITS									UNITS	TEMP	TEST CONDITIONS	
		$V_{DD} = 5$ V			$V_{DD} = 10$ V			$V_{DD} = 15$ V						
		MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX				
I_{DD}	Quiescent Power Supply Current	XC			20			40			80	μ A	MIN, 25°C	All inputs at 0 V or V_{DD}
					150			300			600		MAX	
		XM			5			10			20	μ A	MIN, 25°C	
					150			300			600		MAX	

AC CHARACTERISTICS: V_{DD} as shown, $V_{SS} = 0$ V, $T_A = 25^\circ$ C (See Note 2)

SYMBOL	PARAMETER	LIMITS									UNITS	TEST CONDITIONS
		$V_{DD} = 5$ V			$V_{DD} = 10$ V			$V_{DD} = 15$ V				
		MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX		
t_{PLH}	Propagation Delay, A_n to O_n		167	325		66	145		45	53	ns	$C_L = 50$ pF, $R_L = 200$ k Ω
t_{PHL}			157	325		57	145		40	46	ns	
t_{TLH}	Output Transition Time		85	200		40	100		31	70	ns	Input Transition Times < 20 ns
t_{THL}			110	200		37	100		25	70	ns	

NOTES:

1. Additional DC Characteristics are listed in this section under 4000B Series CMOS Family Characteristics.
2. Propagation Delays and Output Transition Times are graphically described in this section under 4000B Series CMOS Family Characteristics.

TYPICAL ELECTRICAL CHARACTERISTICS

