TYPES SN5490A, SN5492A, SN5493A, SN7490A, SN7492A, SN7493A DECADE, DIVIDE-BY-TWELVE, AND BINARY COUNTERS

switching characteristics, V_{CC} = 5 V, T_A = 25° C

PARAMETER¶	FROM (INPUT)	TO (OUTPUT)	TEST CONDITIONS	MIN	′90A TYP	MAX	MIN	′92A TYP	MAX	MIN	'93A TYP	MAX	UNIT
f _{max}	А	QA		32	42		32	42		32	42		MHz
	В	QB		16			16			16			
tPLH		0			10	16		10	16		10	. 16	ns ns
tPHL	A	QA			12	18		12	18		12	18	
[†] PLH		QD			32	48		32	48		46	70	
^t PHL	A				34	50		34	50		46	70	
tPLH	В	QΒ			10	16		10	16		10	16	ns
t _{PHL}					14	21		14	21		14	21	
^t PLH	В	ac			21	32		10	16		21	32	ns
tPHL					23	35		14	21		23	35	
tPLH .	- В	αD			21	32		21	32		34	51	ns
tPHL					23	35		23	35		34	51	
tPHL	Set-to-0	Any			26	40		26	40		26	40	ns
tPLH	Set-to-9	Q_A, Q_D			20	30							ns
tPHL.		QB, QC			26	24							113

 $[\]begin{cases} f_{max} \equiv \text{maximum count frequency} \\ t_{PLH} \equiv \text{propagation delay time, low-to-high-level output} \\ t_{PHL} \equiv \text{propagation delay time, high-to-low-level output} \end{cases}$