

COMPARACION DE FAMILIAS LOGICAS. DATOS DEL FABRICANTE. ($V_{CC} = 5 V^3$)

	TTL-Est.	S	LS	ALS	AS	FAST	4000B	HE4000B	74HC	74HCT	74AC	74ACT	ECL10K	Unidades
t_{pD}	11	3	8	4	2	3	125	55	9	12	4	6.5	2	ns
f_{max}	25	95	33	34	125	72.4	2	8	76	59	125	125	125	MHz
I_{OHmax}	-0.4	-1	-0.4	-0.4	-2	-1	-0.51	-0.44	-4	-4	-24	-24	-	mA
I_{OLmax}	16	20	8	8	20	20	0.51	0.44	4	4	24	24	-	mA
I_{IHmax}	40	50	20	20	50	20	0.1	0.3	0.1	0.1	0.1	0.1	-	μA
I_{ILmax}	-1.6	-2	-0.36	-0.2	-0.5	-0.6	-0.1 ²	-0.3 ²	-0.1 ²	-0.1 ²	-0.1 ²	-0.1 ²	-0.5 ²	mA
I_{OS}	-100	-100	-100	-112	-112	-150	-	-	-	-	-	-	-	mA
V_{OHmin}	2.4	2.7	2.7	2.7	2.7	2.7	4.6	4.5	3.98	3.98	3.94	3.94	-0.96	V
V_{OLmax}	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.26	0.26	0.36	0.36	-1.675	V
V_{IHmin}	2	2	2	2	2	2	3.5	3.5	3.15	2	3.25	2	-	V
V_{ILmax}	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.35	0.8	1.65	0.8	-	V
Fan-out _(L) ¹	30	12.5	10	5	12.5	12.5	0.32	0.28	-	-	15	15	-	
$P_D \cdot t_{pD}$	100	60	20	4	30	-	-	-	-	-	-	-	50	pJ

¹ Para $V_{OL} = 0.3 V$ ² Valor expresado en μA ³ Excepto para ECL ($V_{CC} = 0 V$, $V_{EE} = -5.2 V$)