COS/MOS INTEGRATED CIRCUITS (continued)

HBC/HBF 4000A series (continued)

TYPE	DESCRIPTION	•PROPAG. DELAY TIME t_{PHL}/t_{PLH} (ns)	•OUT. DRIVE CURRENT N-CHANNEL SINK I_{DN} (mA)	•OUT. DRIVE CURRENT P-CHANNEL SOURCE I_{DP} (mA)	•CLOCK FREQUENCY f max (MHz)	PACKAGE
Shift registers						
Static						
4006A	18-stage static shift register	125	0.5	-0.3	5	DIP H,L,P,V,
4014A	8-stage static shift register	100	0.5	-0.44	5	DIP K,M,Q,W
4015A	Dual 4-stage static shift register	100	0.5	-0.44	5	DIP K,M,Q,W
4021A	8-stage static shift register	100	0.5	-0.44	5	DIP K,M,Q,W
4031A	64-stage static shift register	200	10	-1.5	4	DIP K,M,Q,W
Dynamic						
4062A*	200-stage dynamic shift register	–	–	–	–	DIP K,W
Parallel-In/Parallel-Out						
4034A	MSI 8-stage static shift register	240	0.5	-0.25	5	DIP U, X
4035A	4-stage parallel in/out shift register	100	2.5	-1.3	5	DIP K,M,Q,W
Counters						
Binary/Ripple						
4020A	14-stage binary/ripple counter	150	0.6	-0.5	7	DIP K,M,Q,W
4024A	7-stage binary counter	125	1	-0.7	7	DIP H,L,P,V
4040A	12-stage binary/ripple counter	125	1	-1	10	DIP K,M,Q,W
4045A	21-stage counter	–	6	-6	10	DIP K,M,Q,W
4060A	14-stage ripple-carry binary counter/ divider and oscillator	–	0.75	-0.5	4	DIP K,M,Q,W
Synchronous						
4017A	Decade counter/divider	125	1	-1	5	DIP K,M,Q,W
4018A	Presettable divide-by "N" counter	125	1	-1	5	DIP K,M,Q,W
4022A	Divide-by-8-counter/divider	125	1	-0.8	5	DIP K,M,Q,W
4059A*	Programmable divide-by-"N" counter	140	12	-1.5	5	DIP U,X

* Coming soon • V_{DD}= 10 V