

SIGNETICS INTEGRATED CIRCUITS
Bipolar Memory 82S00, 82HS00, 82LS00

Rating	Value	Unit
Supply Voltage - V_{CC}	+7.0	V
Input Voltage - V_{in}	+5.5	V
Output Voltage - V_{out}	+5.5	V
Storage Temperature - T_{stg}	-65 to +150	°C
Operating Temperature - T_A	-55 to +125	°C

Function	Type/Pkg	Supply Current (max)	Propagation Delay (max/typ)	Power Dissipation (mW/typ)
32K-Bit TTL Bipolar PROM	82HS321B/J,K	175	—	20 μ W
256-Bit TTL Bipolar RAM	82LS16/E,F	—	—	—
2K-Bit Bipolar PROM	82LS135/R	100	—	200 μ W
8K-Bit TTL Bipolar PROM	82LS181/J	85	—	37 μ W
576-Bit TTL Bipolar RAM	82S09/Y	170	—	1.3
256-Bit TTL Bipolar RAM	82S16/E,F	120	—	1.5
64 x 9 TTL Bipolar PROM	82S19/Y	—	—	—
256-Bit TTL Bipolar PROM Open Collector	82S23/E,F	96	—	1.3
64-Bit (16 x 4) Bipolar Scratch Pad Memory	82S25/E,F	120	—	6.25
Quad Exclusive OR/NOR Gate	82S41/C,D	55	14	—
BCD-to-Decimal Decoder	82S52/E,F	85	16	—
8-Bit Parity Generator/Checker	82S62/C,D	—	—	—
4-Bit Arithmetic Unit	82S82/J,K	122	35	—
4-Bit BCD Adder	82S83/E,F	114	35	—
Programmable Logic Array	82S100/Y	170	50	600
Programmable Logic Sequencers	82S105/Y	180	—	600
4K-Bit TTL Bipolar PROM	82S141/J,K	175	—	76 μ W
256-Bit TTL Bipolar PROM	82S123A/E,F	96	—	1.3
1K-Bit TTL Bipolar PROM, Open Collector	82S126A/E,F	120	—	0.5
1K-Bit TTL Bipolar PROM, 3-State	82S129A/E,F	120	—	0.5

Function	Type/Pkg	Supply Current (max)	Propagation Delay (max/typ)	Power Dissipation (mW/typ)
2K-Bit Bipolar PROM, Open Collector	82S130A/E,F	140	—	0.3
2K-Bit Bipolar PROM, 3-State	82S131A/E,F	140	—	0.3
2K-Bit Bipolar PROM	82S135/R	150	—	329 μ W
4K-Bit TTL Bipolar PROM	82S137A/V	140	—	0.13
4K-Bit TTL Bipolar PROM	82S141/J,K	175	—	76 μ W
4K-Bit TTL Bipolar PROM	82S141A/J,K	175	—	76 μ W
4K-Bit TTL Bipolar PROM	82S147/R	155	—	625
8K-Bit TTL Bipolar PROM	82S181A/J,K	175	—	76 μ W
8K-Bit TTL Bipolar PROM	82S185A/V	155	—	70 μ W
16K-Bit TTL Bipolar PROM	82S191/J,K	175	—	40 μ W
16K-Bit TTL Bipolar PROM	82S191A/J,K	175	—	40 μ W
2304-Bit TTL Bipolar RAM	82S212/W	185	—	0.3