

RANDOM ACCESS MEMORIES

Type	No. of Bits	Description	Organization	Electrical Characteristics Over Temperature				
				Access Time Max.	Cycle Time Max.	Power Dissipation Max. [1] Operating/Standby	Supplies [V]	Page No.
1101A	256	Static Fully Decoded	256 x 1	1500 ns	1500 ns	685 mW/340 mW	+5, -9	2-3
1101A1	256	Hi-Speed Static Fully Decoded	256 x 1	1000 ns	1000 ns	685 mW/340 mW	+5, -9	2-3
1103	1024	Dynamic Fully Decoded	1024 x 1	300 ns	580 ns	400 mW/67 mW	+16, +19	2-7
1103-1	1024	Dynamic Fully Decoded	1024 x 1	150 ns	340 ns	400 mW/76 mW	+19, +22	2-12
1103A	1024	Dynamic Fully Decoded	1024 x 1	205 ns	580 ns	400 mW/64 mW	+16, +19	2-15
1103A-1	1024	Dynamic Fully Decoded	1024 x 1	145 ns	340 ns	625 mW/10 mW	+19, +22	2-20
1103A-2	1024	Dynamic Fully Decoded	1024 x 1	145 ns	400 ns	570 mW/10 mW	+19, +22	2-25
2101	1024	Static, Separate I/O	256 x 4	1000 ns	1000 ns	350 mW	+5	2-29
2101-1	1024	Static, Separate I/O	256 x 4	500 ns	500 ns	350 mW	+5	2-29
2101-2	1024	Static, Separate I/O	256 x 4	650 ns	650 ns	350 mW	+5	2-29
2102	1024	Static Fully Decoded	1024 x 1	1000 ns	1000 ns	350 mW	+5	2-33
2102-1	1024	Hi-Speed Static Fully Decoded	1024 x 1	500 ns	500 ns	350 mW	+5	2-37
2102-2	1024	Static Fully Decoded	1024 x 1	650 ns	650 ns	350 mW	+5	2-39
2102-8	1024	Static Fully Decoded	1024 x 1	1500 ns	1500 ns	350 mW	+5	2-41
2102A	1024	Very High Speed Static	1024 x 1	350 ns	350 ns	350 mW/42 mW	+5	2-43
2102A-2	1024	Very High Speed Static	1024 x 1	250 ns	250 ns	350 mW/42 mW	+5	2-47
2102A-4	1024	Very High Speed Static	1024 x 1	450 ns	450 ns	350 mW/42 mW	+5	2-49
M2102A-4	1024	Static, T _A = 55° C to +125° C	1024 x 1	450 ns	450 ns	350 mW	+5	2-51
M2102A-6	1024	Static, T _A = 55° C to +125° C	1024 x 1	650 ns	650 ns	350 mW	+5	2-53
2105	1024	Hi-Speed Dynamic Fully Decoded	1024 x 1	95 ns	200 ns	460 mW/97 mW	+12, -5.2	2-55
2105-1	1024	Very High Speed Dynamic Fully Decoded	1024 x 1	80 ns	180 ns	513 mW/97 mW	+12, -5.2	2-55
2105-2	1024	High Speed Dynamic with Invisible Refresh	1024 x 1	85 ns	190 ns	540 mW/97 mW	+12, -5.2	2-63
2107A	4096	Dynamic Fully Decoded	4096 x 1	300 ns	700 ns	458 mW/10 mW	+12, +5, -5	2-67
2107A-1	4096	Dynamic Fully Decoded	4096 x 1	280 ns	550 ns	516 mW/16 mW	+12, +5, -5	2-73
2107A-4	4096	Dynamic Fully Decoded	4096 x 1	350 ns	840 ns	405 mW/10 mW	+12, +5, -5	2-75
2107A-5	4096	Dynamic Fully Decoded	4096 x 1	420 ns	970 ns	376 mW/11 mW	+12, +5, -5	2-77
2107A-8	4096	Dynamic Fully Decoded	4096 x 1	420 ns	970 ns	376 mW/11 mW	+12, +5, -5	2-79
2107B	4096	Dynamic Fully Decoded	4096 x 1	200 ns	400 ns	960 mW/16 mW	+12, +5, -5	2-81
2107B-4	4096	Dynamic Fully Decoded	4096 x 1	270 ns	470 ns	960 mW/18 mW	+12, +5, -5	2-89
2107B-6	4096	Dynamic Fully Decoded	4096 x 1	350 ns	800 ns	840 mW/25 mW	+12, +5, -5	2-91
2111	1024	Static, Common I/O with Output Deselect	256 x 4	1000 ns	1000 ns	350 mW	+5	2-93
2111-1	1024	Static, Common I/O with Output Deselect	256 x 4	500 ns	500 ns	350 mW	+5	2-93
2111-2	1024	Static, Common I/O with Output Deselect	256 x 4	650 ns	650 ns	350 mW	+5	2-93
2112	1024	Static, Common I/O without Output Deselect	256 x 4	1000 ns	1000 ns	350 mW	+5	2-97
2112-2	1024	Static, Common I/O without Output Deselect	256 x 4	650 ns	650 ns	350 mW	+5	2-97
3101	64	Fully Decoded	16 x 4	60 ns	60 ns	525 mW	+5	2-101
3101A	64	High Speed Fully Decoded	16 x 4	35 ns	35 ns	525 mW	+5	2-101
M3101	64	Fully Decoded (-55° C to +125° C)	16 x 4	75 ns	75 ns	546 mW	+5	2-105
M3101A	64	High Speed Fully Decoded (-55° C to +125° C)	16 x 4	45 ns	45 ns	546 mW	+5	2-105
3104	16	Content Addressable Memory	4 x 4	30 ns	40 ns	625 mW	+5	2-107
3106	256	High Speed Fully Decoded (With 3-State Output)	256 x 1	80 ns	80 ns	650 mW	+5	2-111
3106A	256	High Speed Fully Decoded (With 3-State Output)	256 x 1	60 ns	70 ns	650 mW	+5	2-111
3106-8	256	High Speed Fully Decoded (With 3-State Output)	256 x 1	80 ns	80 ns	650 mW	+5	2-111
3107	256	High Speed Fully Decoded (With Open Collector Output)	256 x 1	80 ns	80 ns	650 mW	+5	2-111
3107A	256	High Speed Fully Decoded (With Open Collector Output)	256 x 1	60 ns	70 ns	650 mW	+5	2-111
3107-8	256	High Speed Fully Decoded (With Open Collector Output)	256 x 1	60 ns	70 ns	650 mW	+5	2-111
5101	1024	Static CMOS RAM	256 x 4	650 ns	650 ns	142 mW/75 μW	+5	2-115
5101-3	1024	Static CMOS RAM	256 x 4	650 ns	650 ns	142 mW/1 mW	+5	2-115
5101L	1024	Static CMOS RAM	256 x 4	650 ns	650 ns	142 mW/30 μW	+5	2-115
5101L-3	1024	Static CMOS RAM	256 x 4	650 ns	650 ns	142 mW/400 μW	+5	2-115

Note 1: Power Dissipation calculated with maximum power supply current and nominal supply voltages.