

MOS Memories

■ 4MDRAMs (5V version, CBR self refresh operation)

Supply voltage: 4.5 ~ 5.5V

Organi- zation (words × bits)	Type No.	Access time max. (ns)	Cycle time min. (ns)	Refresh (cycles/ms)	Maximum Supply Current		Package	No.	Remarks
					Active (mA)	Standby (μ A)			
4M × 1	MN424100BL	70/80	130/150	1024/128	100/90	50	ZIP020-P-0400	M2	Fast page mode
	MN424100BSJ	70/80	130/150	1024/128	100/90	50	SOJ026-P-0300A	M10	Fast page mode
	MN424100BTT	70/80	130/150	1024/128	100/90	50	TSOP026-P-0300A	M20	Fast page mode
1M × 4	MN424400BL	70/80	130/150	1024/128	100/90	50	ZIP020-P-0400	M2	Fast page mode
	MN424400CSJ	60/70/80	110/130/150	1024/128	85/75/65	100	SOJ026-P-0300A SOJ026-P-0300C	M10 M11a	Fast page mode
	MN424400CTT	60/70/80	110/130/150	1024/128	85/75/65	100	TSOP026-P-0300A	M20	Fast page mode
512k × 8	MN424800CSJ	60/70/80	110/130/150	1024/128	85/75/65	100	SOJ028-P-0400	M12	Fast page mode
	MN424800CTT	60/70/80	110/130/150	1024/128	85/75/65	100	TSOP028-P-0400	M22	Fast page mode
256k × 16	MN424170CSJ	60/70/80	110/130/150	1024/128	110/100/90	150	SOJ040-P-0400	M13	Fast page mode 1CAS · 2WE
	MN424170CTT	60/70/80	110/130/150	1024/128	110/100/90	150	TSOP044-P-0400A	M23	Fast page mode 1CAS · 2WE
	MN424260CSJ	60/70/80	110/130/150	512/64	140/130/120	150	SOJ040-P-0400	M13	Fast page mode 2CAS · 1WE
	MN424260CTT	60/70/80	110/130/150	512/64	140/130/120	150	TSOP044-P-0400A	M23	Fast page mode 2CAS · 1WE
	▲MN424175CSJ	60/70/80	110/130/150	1024/128	110/100/90	150	SOJ040-P-0400	M13	EDO mode 1CAS · 2WE
	▲MN424175CTT	60/70/80	110/130/150	1024/128	110/100/90	150	TSOP044-P-0400A	M23	EDO mode 1CAS · 2WE
	▲MN424265CSJ	60/70/80	110/130/150	512/64	140/130/120	150	SOJ040-P-0400	M13	EDO mode 2CAS · 1WE
	▲MN424265CTT	60/70/80	110/130/150	512/64	140/130/120	150	TSOP044-P-0400A	M23	EDO mode 2CAS · 1WE

▲Under development

■ 4MDRAM (3.3V version, CBR self refresh operation)

Supply voltage: 3.0 ~ 3.6V

Organi- zation (words × bits)	Type No.	Access time max. (ns)	Cycle time min. (ns)	Refresh (cycles/ms)	Maximum Supply Current		Package	No.	Remarks
					Active (mA)	Standby (μ A)			
1M × 4	MN42V4400SJ	60/70/80	110/130/150	1024/128	80/70/60	100	SOJ026-P-0300A SOJ026-P-0300C	M10 M11a	Fast page mode
	MN42V4400TT	60/70/80	110/130/150	1024/128	80/70/60	100	TSOP026-P-0300A	M20	Fast page mode
512k × 8	MN42V4800SJ	60/70/80	110/130/150	1024/128	80/70/60	100	SOJ028-P-0400	M12	Fast page mode
	MN42V4800TT	60/70/80	110/130/150	1024/128	80/70/60	100	TSOP028-P-0400	M22	Fast page mode
256k × 16	MN42V4170SJ	60/70/80	110/130/150	1024/128	100/90/80	150	SOJ040-P-0400	M13	Fast page mode 1CAS · 2WE
	MN42V4170TT	60/70/80	110/130/150	1024/128	100/90/80	150	TSOP044-P-0400A	M23	Fast page mode 1CAS · 2WE
	MN42V4260SJ	60/70/80	110/130/150	512/64	130/120/110	150	SOJ040-P-0400	M13	Fast page mode 2CAS · 1WE
	MN42V4260TT	60/70/80	110/130/150	512/64	130/120/110	150	TSOP044-P-0400A	M23	Fast page mode 2CAS · 1WE
	▲MN42V4175SJ	60/70/80	110/130/150	1024/128	100/90/80	150	SOJ040-P-0400	M13	EDO mode 1CAS · 2WE
	▲MN42V4175TT	60/70/80	110/130/150	1024/128	100/90/80	150	TSOP044-P-0400A	M23	EDO mode 1CAS · 2WE
	▲MN42V4265SJ	60/70/80	110/130/150	512/64	130/120/110	150	SOJ040-P-0400	M13	EDO mode 2CAS · 1WE
	▲MN42V4265TT	60/70/80	110/130/150	512/64	130/120/110	150	TSOP044-P-0400A	M23	EDO mode 2CAS · 1WE

▲Under development

(Package Symbol) ZIP = Z igzag-I n-Line P lastic Package, SOJ = S mall-O utline J -Bend Package, TSOP = T hin S mall O utline P ackage