

# PSEUDO SRAM/DYNAMIC RAM



## ■ PSEUDO SRAMs

### ◆ Features

- Random access memory with ease of use equivalent to SRAM.

Capacity	Bit Configuration	Model No.	Access time (ns) MAX.	Cycle time (ns) MIN.	Supply current MAX.		Supply voltage (V)	Control pin	Package
					Operating (mA)	Standby (mA)			
256k	× 8	LH5P832/D/N-10/12	100/120	160/190	65/55	3	4.5 to 5.5	$\overline{OE}$ , $\overline{CE}$	28DIP/28SK-DIP/28SOP
512k	× 8	LH5P860/N-80	80	140	80	1	4.5 to 5.5	$\overline{OE}$ , $\overline{CE}_1$ , $\overline{CE}_2$	32DIP/32SOP
		LH5P864N-80	80	140	80	0.5	4.5 to 5.5	$\overline{OE}$ , $\overline{CE}_1$ , $\overline{CE}_2$	32SOP
	× 16	LH5P1632/N-80/15	80/150	140/210	85/65	3	4.5 to 5.5	$\overline{UOE}$ , $\overline{LOE}$ , $\overline{CE}$	40DIP/40SOP
1M	× 8	LH5P8128/N/T/TR-60/80/10	60/80/100	110/130/160	104/70/50	0.2	4.5 to 5.5	$\overline{OE}$ , $\overline{CE}_1$ , $\overline{CE}_2$	32DIP/32SOP/32TSOP(II)*3/ 32TSOP(II)*4
		LH5P8129/N/T/TR-60/80/10	60/80/100	110/130/160	104/70/50	0.2	4.5 to 5.5	$\overline{OE}$ , $\overline{CE}$ , CS	32DIP/32SOP/32TSOP(II)*3/ 32TSOP(II)*4
4M	× 8	LH5PV8512N/S/SR-12LL*1	120	190	40	0.07*2	3 ±5%	$\overline{OE}$ , $\overline{CE}$	32SOP/32TSOP(II)*3/ 32TSOP(II)*4
	× 16	LH5PV16256S-12LL	120	190	40	0.07*2	3 ±5%	$\overline{OE}$ , $\overline{CE}$	44TSOP(II)*3
8M	× 16	LH6P82T	100	190	40	0.1*2	3.0 to 3.6	$\overline{CE}$ , CS, $\overline{UB}$ , $\overline{LB}$	48TSOP(I)*3

\*1 With 2.2 V data storage function

\*2 Average supply current in data retention mode

\*3 Normal bend

\*4 Reverse bend

## ■ DYNAMIC RAMs

Mode	Capacity	Bit Configuration	Model No.	Access time (ns) MAX.	Cycle time(ns) MIN.		Supply current MAX.		Supply voltage (V)	Function	Package
						Page mode	Operating (mA)	Standby (mA)			
FAST	1M	× 4	LH64256CD/CK/CZ/CT-50/60/70	50/60/70	100/120/130	36/40/50	110/90/85	1	4.75 to 5.25/4.5 to 5.5/4.5 to 5.5	—	20DIP/26SOJ/20ZIP/26TSOP(I)*1
			LH6V4256CK/CS-10	100	190	60	35	0.15	3.3 ±10%	—	26SOJ/26TSOP(II)*1
		× 8	LH68128K-45/50/55/70	45/50/55/70	90/120/115/130	34/40/40/50	190/160/160/160	1	4.75 to 5.25/4.75 to 5.25/4.5 to 5.5	—	26SOJ
		× 16	LH61664AK-50	50	100	35	140	1	4.75 to 5.25	2WE	44SOJ
	LH61664AN/AK/AS-60/70		60/70	110/130	40/50	120/100	1	4.75 to 5.25/4.5 to 5.5	2WE	40SOP/44SOJ/44TSOP(II)*1	
	2M	× 8	LH62800K-45/50/60	45/50/60	90/110/120	34/36/40	160/150/135	1	4.75 to 5.25	—	26SOJ
× 16		LH62260K/S-45/60/70	45/60/70	80/120/130	30/40/45	150/135/115	1	4.5 to 5.5	2CAS	40SOJ/44TSOP(II)*1	
EDO	1M	× 16	LH61665AK/AS-50A/60A	50/60	100/110	20/25	145/120	1	4.5 to 5.5	2WE	44SOJ/44TSOP(II)*1
			LH61665AN/AK/AS-70	70	130	30	100	1	4.5 to 5.5	2WE	40SOJ/44SOP/44TSOP(II)*1
	2M	× 8	LH62805K-60	60	120	25	135	1	4.75 to 5.25	—	26SOJ
		× 16	LH62265K/S-50/60/70	50/60/70	100/120/130	22/25/30	135	1	4.5 to 5.5	2CAS	40SOJ/44TSOP(II)*1
	4M	× 16	LH6C4265AK/AS-40	40	80	16	170	1	4.5 to 5.5	2CAS	42SOJ

\*1 Normal bend