

HM6707 Series

262144-word × 1-bit High Speed Hi-BiCMOS Static RAM

The HM6707 Series has been converted to the HM6707A Series. The new A Series is completely compatible with the non-A Series.

Please refer to the specification comparison below to assist in your conversion.

		HM6707				HM6707A						Unit
		20		25		15		20		25		
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
DC	IL _I		2		2		2		2		2	μA
	IL _O		10		10		10		10		10	μA
	I _{cc}		100		100		100		100		100	mA
	I _{cc} I		120		120		140		120		120	mA
	I _{sb}		30		30		30		30		30	mA
	I _{sb} I		10		10		10		10		10	mA
	V _{ol}		0.4		0.4		0.4		0.4		0.4	V
	V _{oh}	2.4		2.4		2.4		2.4		2.4		V
Read	t _{RC}	20		25		15		20		25		ns
	t _{AA}		20		25		15		20		25	ns
	t _{ACS}		20		25		15		20		25	ns
	t _{OH}	5		5		4		5		5		ns
	t _{LZ}	5/0		5/0		4		★5		★5		ns
	t _{HZ}	0	8	0	15/10	0	6	0	8	0	★10	ns
Write	t _{WC}	20		25		15		20		25		ns
	t _{CW}	15		20		10		15		20		ns
	t _{AW}	15		20		10		15		20		ns
	t _{AS}	0		0		0		0		0		ns
	t _{WP}	15		20		10		15		20		ns
	t _{WR}	1.5		3		0		★0		★0		ns
	t _{DW}	15/12		20/15		8		★10		★12		ns
	t _{DH}	0		0		0		0		0		ns
	t _{WZ}	0	15/8	0	15/10	0	6	0	8	0	10	ns
t _{OHZ}	0		0		0		0		0		ns	

★ Modified specifications



Hitachi America, Ltd. • Hitachi Plaza • 2000 Sierra Point Pkwy. • Brisbane, CA 94005-1819 • (415) 589-8300 223