

AS7C34096A-10TIN vs IS61WV5128BLL-10TLI Comparison

Part Number & result Parameter	AS7C34096A-10TIN	IS61WV5128BLL-10TLI	Comparison Result
Product Description	FAST ASRAM	FAST ASRAM	Same
Capacity	4Mb	4Mb (512Kx 8)	Same
Memory Organization	512K, x8bits, 1 Chipselect	512K, x8bits, 1 Chipselect	Same
Operating Power Supply	V _{CC} = 3.0V ~ 3.6V	V _{CC} = 2.4V ~ 3.6V	Comparable
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
I/O Capacitance	CIO: 7pf(MAX.)	CIO: 8pf(MAX.)	Comparable
Pin to Pin Compatible	Pin to Pin Compatible		Same
Access time	10ns	10ns	Same
AC Characteristics			
tRC & tWC (ns)	10	10	Same
tAA (ns)	10	10	Same
DC Characteristics			
Spec conditions	-40C ≤ TA ≤ 85C V _{CC} = 3.0V ~ 3.6V	-40C ≤ TA ≤ 85C V _{CC} = 2.4V ~ 3.6V	Comparable
V_{OH} (V)	2.4 (min.)	1.8 (min.)	Comparable
V_{OL} (V)	0.4 (max.)	0.4 (max.)	Same
V_{IH} (V)	2.0(min.)	2.0(min.)	Comparable
V_{IL} (V)	0.8(max.)	0.8(max.)	Same
I_{LI} (uA)	1 (max.)	1 (max.)	Same
I_{LO} (uA)	1 (max.)	1 (max.)	Same
I_{CC} (mA)	180 (max.)	45 (max.)	ISSI Better
I_{SB} (mA)	60 (max.)	15 (max.)	ISSI Better
I_{SB1} (mA)	8 (max.)	10 (max.)	Alliance Better
Package	44pin TSOP II (400mils)	44pin TSOP II (400mils)	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same