

AS6C1008-55SIN vs IS62C1024AL-35QLI Comparison

Part Number & result Parameter	AS6C1008-55SIN	IS62C1024AL-35QLI	Comparison Result
Product Description	Low Power ASRAM	Low Power ASRAM	Same
Capacity	1Mb	1Mb	Same
Memory Organization	128k, x8bits, 2 Chip Select	128k, x8bits, 2 Chip Select	Same
Operating Power Supply	$V_{CC} = 2.7V \sim 5.5V$	$V_{CC} = 4.5V \sim 5.5V$	Alliance support Wider range
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
I/O Capacitance	CIO: 8pf(MAX.)	CIO: 8pf(MAX.)	Same
Pin to Pin Compatible	Pin to Pin Compatible		Same
Access time	55ns	35ns	ISSI Better
AC Characteristics			
tRC & tWC (ns)	55	35	ISSI Better
tAA (ns)	55	35	ISSI Better
DC Characteristics			
Spec conditions	$-40C \leq TA \leq 85C$ $V_{CC} = 2.7V \sim 5.5V$	$-40C \leq TA \leq 85C$ $V_{CC} = 4.5V \sim 5.5V$	Comparable
V_{OH} (V)	2.2 (min.)	2.4 (min.)	Comparable
V_{OL} (V)	0.4 (max.)	0.4 (max.)	Same
V_{IH} (V)	0.7*VCC (min.)	2.2(min.)	Comparable
V_{IL} (V)	0.6(max.)	0.8(max.)	Comparable
I_{LI} (uA)	1 (max.)	2 (max.)	Alliance Better
I_{LO}(uA)	1 (max.)	2 (max.)	Alliance Better
I_{CC} (mA)	60 (max.)	35 (max.)	ISSI Better
I_{CC1}(mA)	10 (max.)	-	
I_{SB} (uA)	50 (max.)	10(max.)	ISSI Better
Package	32pin SOP (450mils)	32pin SOP (450mils)	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same