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3.3V, 1Meg (128Kx8) Asynchronous SRAM

Comparison between AS7C31025B/C-12JIN vs IS63LV1024L-10KLI

Part Number& result Parameter	AS7C31025B- 12JIN	AS7C31025C - 12JIN	IS63LV1024L- 10KLI	Comparison Result
Density	1Meg (128Kx8)	1Meg (128Kx8)	1Meg (128Kx8)	same
Package	32pin SOJ 400mils	32pin SOJ 400mils	32pin SOJ 400mils	same
Operating Voltage	3.3V (+/-0.3V)	3.3V (+/-0.3V)	3.3V (+/-0.3V)	same
Operating Temperature	-40C to 85C	-40C to 85C	-40C to 85C	same
Address Access Time	12ns	12ns	10ns	different
Max. Operating Current	65mA	120mA	105mA	comparable
Standby Current ISB	25mA	40mA	35mA	comparable
Standby Current ISB1	5mA	8mA	1.5mA	different
Output Voltage VoH@-4mA	2.4V (Min)	2.4V (Min)	2.4V (Min)	Same
Output Voltage VoL@8mA	0.4V (Max)	0.4V (Max)	0.4V (Max)	same
Input Voltage ViH (Min)	2.0V	2.0V	2.2V	same
Input Voltage ViL (Max)	0.8V	0.8V	0.8V	same
In/Out Pin Leakage	+/-1uA	+/-5uA	+/-5uA	comparable
Absolute Max Ratings	5V	4.6V	4.1V	comparable
Pin Capacitance	Cin=5pf, Cout=7pf	Cin=6pf, Cout=7pf	Cin=6pf, Cout=8pf	comparable
AC Parameters	Comparable			
Pin to Pin comparison	Same			

