

AS6C62256A-70PCN & U62256ADC07LLG1 & AS6C62256-55PCN

Comparison

Part Number & result Parameter	AS6C62256A-70PCN	U62256ADC07LLG1	AS6C62256-55PCN	Comments
Product Description	Low Power ASRAM	Low Power ASRAM	Low Power ASRAM	
Capacity	256Kb	256Kb	256Kb	Same
Memory Organization	32K x 8bits	32K x 8bits	32K x 8bits	Same
Oper. Power Supply	V _{CC} =4.5V ~ 5.5V	V _{CC} =4.5V ~ 5.5V	V _{CC} =2.7V ~ 5.5V	AS6C62256-55PCN better
Operating Temperature	Commercial (0°C to 70°C)	Commercial (0°C to 70°C)	Commercial (0°C to 70°C)	Same
I/O Capacitance	CIO: 7pf (Max.)	CIO: 7pf (Max.)	CIO: 8pf (Max.)	Comparable
Read Cycle Time (tRC)	70ns (Min.)	70ns (Min.)	55ns (Min.)	AS6C62256-55PCN better
WriteCycleTime(tWC)	70ns (Min.)	70ns (Min.)	55ns (Min.)	AS6C62256-55PCN better
AddrAccessTime(tAA)	70ns (Max.)	70ns (Max.)	55ns (Max.)	AS6C62256-55PCN better
OE Access Time (tOE)	35ns (Max.)	35ns (Max.)	30ns (Max.)	Comparable
V_{OH}(V) @ -1.0mA	2.4 (Min.)	2.4 (Min.)	2.4 (Min.)	Same
V_{OL} (V)	0.4 (Max.)	0.4 (Max.)	0.4 (Max.)	Same
V_{IH} (V)	2.2 (Min.)	2.2 (Min.)	2.4 (Min.)	Comparable
V_{IL} (V)	0.8 (Max.)	0.6 (Max.)	0.6 (Max.)	Comparable
I_{LI} / I_{LO}(uA)	2 (Max.)	2 (Max.)	1 (Max.)	Comparable
Oper. Current	I _{CC} = 70mA(Max.)	I _{CC} = 70mA(Max.)	I _{CC} = 45mA(Max.)	AS6C62256-55PCN better
Standby Current ISB1 (CMOS level)	10uA (Max.)	5uA (Max.)	15uA (Max.)	Comparable
Standby Current ISB2 (TTL level)	1mA (Max.)	1mA (Max.)	3mA	Different
VDR	2 (Min.)	2V (Min.)	1.5V (Min.)	AS6C62256-55PCN better
Package Dim	28Pin 600mil PDIP	28Pin 600mil PDIP	28Pin 600mil PDIP	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin Compatible	Yes	Yes	Yes	Same