

BSI Ultra Low Power SRAM Cross Reference Table

BH-Series

Density	Config.	Part No.	Speed (ns)	Iccsb1			Icc			Voltage (V)	Samsung	Cypress	Renesas	Hynix	Toshiba
				Typical (at 25C)			3V		5V						
				2V	3V	5V	1MHz	f _{max}	f _{max}						
4M	x8	BH62UV4000	55	2uA	2uA	N.A.	1.5mA	9mA	N.A.	1.65-3.6				TC55V4000	
	x16	BH616UV4010	55	2uA	2uA	N.A.	1.5mA	9mA	N.A.	1.65-3.6	K6F4016R4G			TC55VEM208ASTN TC55VCM216ASTN TC55VEM216ABXN TC55YEM216AXBN TC55V400	
8M	x8	BH62UV8000	55	2.0uA	2.0uA	N.A.	1.5mA	9mA	N.A.	1.65-3.6					
	x16	BH616UV8010	55	2.0uA	2.0uA	N.A.	1.5mA	9mA	N.A.	1.65-3.6	K6F8016R6B/C/D	CY62157DV18		TC55VEM316AXBN TC55YEM316AXBN	
16M	x8	BH62UV1600	55	3.0uA	3.0uA	N.A.	1.5mA	10mA	N.A.	1.65-3.6					
	x16	BH616UV1610	55	3.0uA	3.0uA	N.A.	1.5mA	10mA	N.A.	1.65-3.6	K6F1616R6B K6F1616R6C	CY62167DV18 CY62167DV20	HM62A16100	TC55VEM416AXBN TC55YEM416AXBN	

BS-Series

Density	Config.	Part No.	Speed (ns)	Iccsb1			Icc			Voltage (V)	Samsung	Cypress	Renesas	Hynix	Toshiba	
				Typical (at 25C)			3V		5V							
				2V	3V	5V	1MHz	f _{max}	f _{max}							
256K	x8	BS62LV256	55/70	0.01uA	0.01uA	0.4uA	1mA	20mA	35mA	2.4-5.5		M5M5256D-G	HY62WT08081E			
										2.4-3.6	K6X0808T1D	CY62256V		HY62KT08081E HY62UT08081E HY62VT08081E		
		BS62UV256	150	0.005uA	0.01uA	N.A.	1mA	15mA	N.A.	4.5-5.5	K6T0808C1D	CY62256	M5M5256D-L	HY62CT08081E	TC55257D	
										1.8-3.6	K6X0808C1D					
1M	x8	BS62LV1027	55/70	0.02uA	0.02uA	0.4uA	1mA	15mA	40mA	2.4-5.5						
										2.4-3.6	K6F1008U2D	CY62128DV30	M5M5V108D	HY62U8100B	TC55V1001A	
										4.5-5.5	K6F1008T2D	CY62128V		HY62V8100B		
	x16	BS616LV1010	55/70	0.02uA	0.02uA	0.4uA	1mA	20mA	40mA	2.4-5.5	K6X1008C2D	CY62128B	M5M51008D	HY628100B	TC551001C	
										2.4-3.6	K6F1016U4C	CY62126DV30		HY62LF16101C		
										4.5-5.5	K6L1016C3B	CY62127DV30		HY62QF16101C HY62UF16101C		
2M	x8	BS62LV2006	55/70	0.05uA	0.1uA	0.6uA	1mA	20mA	45mA	1.9-3.6						
										2.4-5.5						
										2.4-3.6	K6F2008S2E		M5M5V208A	HY62U8200	TC55V2001	
										4.5-5.5	K6F2008T2E K6F2008U2E K6F2008V2E			HY62V8200		
	x16	BS616LV2016	55/70	0.05uA	0.1uA	0.6uA	1mA	25mA	45mA	2.4-5.5	K6F2016S4E	CY62136CV/30/33	M5M5V216A	HY62LF16201A	TC55V200	
										2.4-3.6	K6F2016U4E	CY62136V		HY62QF16201A	TC55V2161	
										4.5-5.5	K6F2016U4G	CY62137CV/30/33		HY62UF16201A		
										1.8-3.6	K6F2016V4E	CY62137V				
4M	x8	BS62LV4006	55/70	0.1uA	0.25uA	1.5uA	1mA	25mA	60mA	2.4-5.5				TC554001AV TC55NEM208AV		
										2.4-3.6	K6F4008U2G	CY62148CV30/33	HM62V8512C	HY62KF08401C	TC55V040A	
										4.5-5.5	K6X4008T1F	CY62148DV30/33	M5M5V408B	HY62U8400A	TC55V4000	
										2.4-3.6			R1LV0408C	HY62UF08401C	TC55VCM208ASTN	
										4.5-5.5			CY62148EV30	HY62V8400A	TC55VEM208ASTN	
	x16	BS616LV4017	55/70	0.1uA	0.25uA	1.5uA	1mA	27mA	65mA	2.4-3.6	K6X4008C1F	CY62148B	HM628512C	HY62VF08401C	TC554001A	
										4.5-5.5			R1LP0408C	HY628400A	TC55NEM216ASTV	
										2.4-3.6	K6F4016U4G	CY62146CV30/33	HM62V16256C	HY62KF16403	TC554161	
										4.5-5.5	K6X4016T3F	CY62146DV30/33	R1LV0416C	HY62LF16404	TC554161A	
										2.4-3.6			CY62146EV30	HY62UF16403		
8M	x8	BS62LV8001	55/70	0.4uA	0.8uA	3.5uA	2mA	25mA	75mA	2.4-5.5						
										2.7-3.6	K6X8008T2B	CY62158CV30/33	HM62V8100	HY62KF08802B		
										4.5-5.5	K6X8008C2B					
										2.4-5.5				HM628100		
										2.7-3.6	K6X8016T3B				HY62LF16804	TC55VEM316AXBN
	x16	BS616LV8017	55/70	0.4uA	0.8uA	3.5uA	2mA	25mA	75mA	4.5-5.5				HY62UF16800		
										2.4-5.5				HM6216514	HY62UF16804	
										2.7-3.6	K6F8016T6C	CY62157CV30/33	M5M5W816WG	HY62LF16806		
										4.5-5.5	K6F8016U6B/C/D	CY62157DV30/33		HY62UF16806		
										2.4-5.5						
16M	x8	BS62LV1600	55/70	0.8uA	1.5uA	6.0uA	2mA	30mA	75mA	2.4-5.5						
										2.7-3.6						
										4.5-5.5						
										2.4-5.5						
										2.7-3.6	K6F1616T6C	CY62167DV30	HM62V16100		TC55VEM416AXBN	
x16	BS616LV1611	55/70	0.8uA	1.5uA	6.0uA	2mA	35mA	90mA	2.7-3.6	K6F1616U6B/C		R1LV1616HBG				
									4.5-5.5				R1LV1616RBG			
									2.4-5.5							