

Thermal Data for AS4C32M16SB-7BIN

Definition :

$$\theta_{JA} = (T_J - T_A) / P$$

$$\theta_{JC} = (T_J - T_C) / P$$

θ_{JA} : Natural convection junction-to-ambient air thermal resistance

θ_{JC} : Thermal resistance from junction to case

T_J : Maximum junction temperature.

T_A : Ambient or environment temperature.

T_C : Temperature of Case

P : Loading Power

Package Type	θ_{JA}	θ_{JC}
54ball FBGA (8x8mm)	50.000	6.500
T_A (°C)	T_J (°C)	T_C (°C)
25	45.150	42.531
55	75.150	72.531
85	105.150	102.531
Loading Power	0.403	Unit : W