

Thermal Data for AS4C16M16SA-7BCN/BIN

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}
BGA	84.6	17.8
T_A (°C)	T_J (°C)	T_c (°C)
25	46.319	41.834
55	76.319	71.834
85	106.319	101.834
Loading Power	0.252	Unit : W