

Thermal Data for AS4C8M16SA-xTCN/TIN

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}
TSOP	94.8970	10.0910
T_A (°C)	T_J (°C)	T_c (°C)
25	48.914	46.371
55	78.914	76.371
85	108.914	106.371
Loading Power 0.252 Unit : W		