

## Thermal Data for AS4C4M32SA-6TIN

### **Definition :**

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

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

$\theta_{JA}$ : Natural convection junction-to-ambient air thermal resistance

$\theta_{JC}$ : 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                             | $\theta_{JA}$ | $\theta_{JC}$ |
|------------------------------------------|---------------|---------------|
| TSOP                                     | 128.660       | 15.210        |
|                                          |               |               |
| $T_A$ (°C)                               | $T_J$ (°C)    | $T_c$ (°C)    |
| 25                                       | 152.373       | 137.316       |
| 55                                       | 182.373       | 167.316       |
| 95                                       | 222.373       | 207.316       |
| <div> Loading Power 0.99 Unit : W </div> |               |               |