

# EPC2001 SPICE Thermal Model

## $R_{\theta JC}$ & $R_{\theta JB}$

### EPC2001 $R_{\theta JC}$ SPICE Thermal Model

**Typical  $R_{\theta JC} = 2.1^{\circ} \text{ C/W}$**

$$CTHERM1 \text{ th } 6 = 0.0090$$

$$CTHERM2 \text{ 6 } 5 = 0.0900$$

$$CTHERM3 \text{ 5 } 4 = 0.0050$$

$$CTHERM4 \text{ 4 } 3 = 0.0012$$

$$CTHERM4 \text{ 3 } 2 = 0.00040$$

$$CTHERM5 \text{ 2 } \text{tl} = 0.00005$$

$$R_{THERM1} \text{ th } 6 = 1.100$$

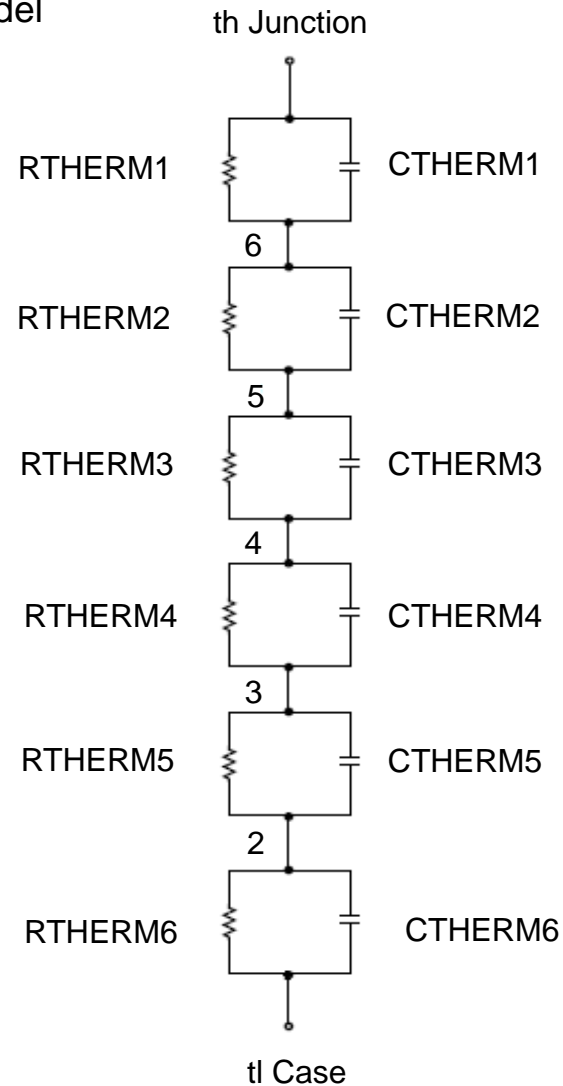
$$R_{THERM2} \text{ 6 } 5 = 0.711$$

$$R_{THERM3} \text{ 5 } 4 = 0.200$$

$$R_{THERM4} \text{ 4 } 3 = 0.060$$

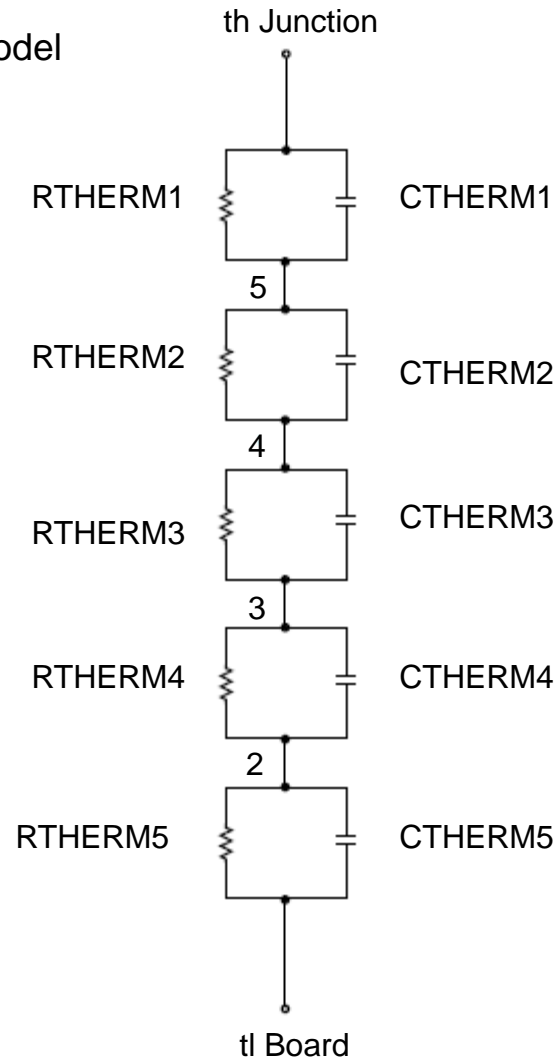
$$R_{THERM5} \text{ 3 } 2 = 0.022$$

$$R_{THERM5} \text{ 2 } \text{tl} = 0.007$$



### EPC2001 $R_{\theta JB}$ SPICE Thermal Model

- CTHERM1 th 5 = 0.060
- CTHERM2 5 4 = 0.055
- CTHERM3 4 3 = 0.019
- CTHERM4 3 2 = 0.085
- CTHERM5 2 tl = 0.0042
  
- RTHERM1 th 5 = 6.76
- RTHERM2 5 4 = 5.000
- RTHERM3 4 3 = 2.500
- RTHERM4 3 2 = 0.640
- RTHERM5 2 tl = 0.100





*The end of the road  
for silicon.....*

*is the beginning of  
the eGaN FET  
journey!*

