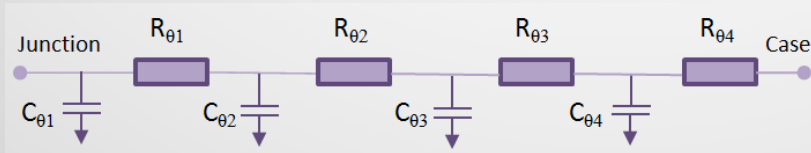




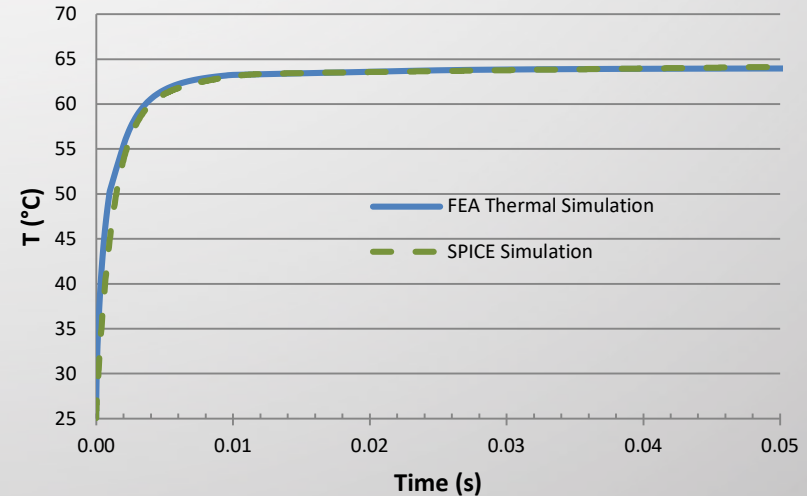
$$R_{\theta JC} = 0.5 \text{ } ^\circ\text{C/W}$$

Boundary Condition:

- Power $P = 80 \text{ W}$
- Case temperature at $25 \text{ } ^\circ\text{C}$



R_{θ} ($^{\circ}\text{C/W}$)	C_{θ} ($\text{W}\cdot\text{s}/^{\circ}\text{C}$)
$R_{\theta 1} = 0.011$	$C_{\theta 1} = 4.25\text{E-}05$
$R_{\theta 2} = 0.231$	$C_{\theta 2} = 2.96\text{E-}03$
$R_{\theta 3} = 0.237$	$C_{\theta 3} = 6.65\text{E-}04$
$R_{\theta 4} = 0.021$	$C_{\theta 4} = 1.01\text{E-}03$



For further understanding, please refer to application note GN007 “Modeling Thermal Behavior of GaN Systems’ GaN $\text{P}\text{X}^{\text{TM}}$ Using RC Thermal SPICE Models” available at www.gansystems.com