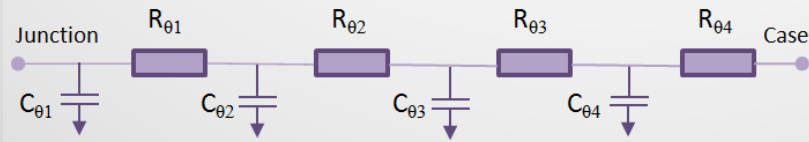


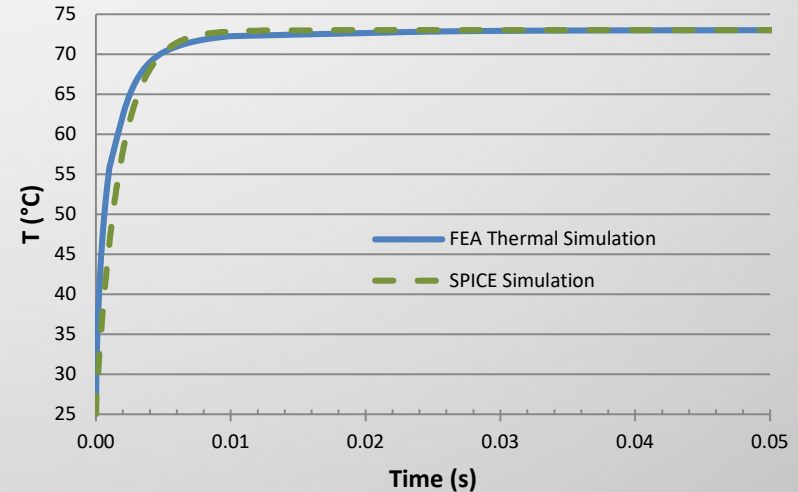
$$R_{\theta JC} = 0.3 \text{ } ^\circ\text{C/W}$$



### Boundary Condition:

- Power  $P = 160 \text{ W}$
- Case temperature at  $25 \text{ } ^\circ\text{C}$

$R_{\theta}$ ( $^\circ\text{C/W}$ )	$C_{\theta}$ ( $\text{W}\cdot\text{s}/^\circ\text{C}$ )
$R_{\theta 1} = 0.007$	$C_{\theta 1} = 8.03\text{E-}05$
$R_{\theta 2} = 0.139$	$C_{\theta 2} = 5.59\text{E-}03$
$R_{\theta 3} = 0.140$	$C_{\theta 3} = 1.26\text{E-}03$
$R_{\theta 4} = 0.014$	$C_{\theta 4} = 1.90\text{E-}03$



For further understanding, please refer to application note GN007 “Modeling Thermal Behavior of GaN Systems’ GaN $\text{PX}^{\text{TM}}$  Using RC Thermal SPICE Models” available at [www.gansystems.com](http://www.gansystems.com)