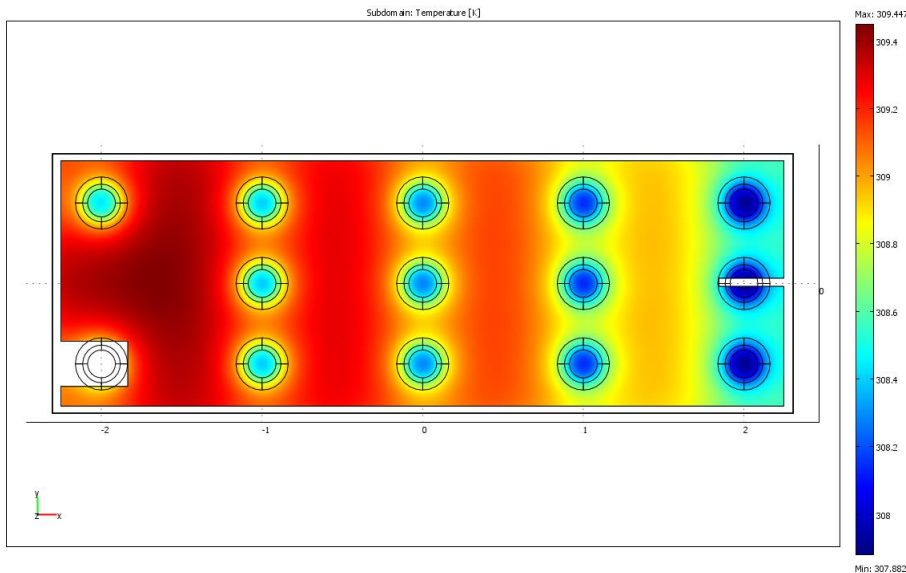
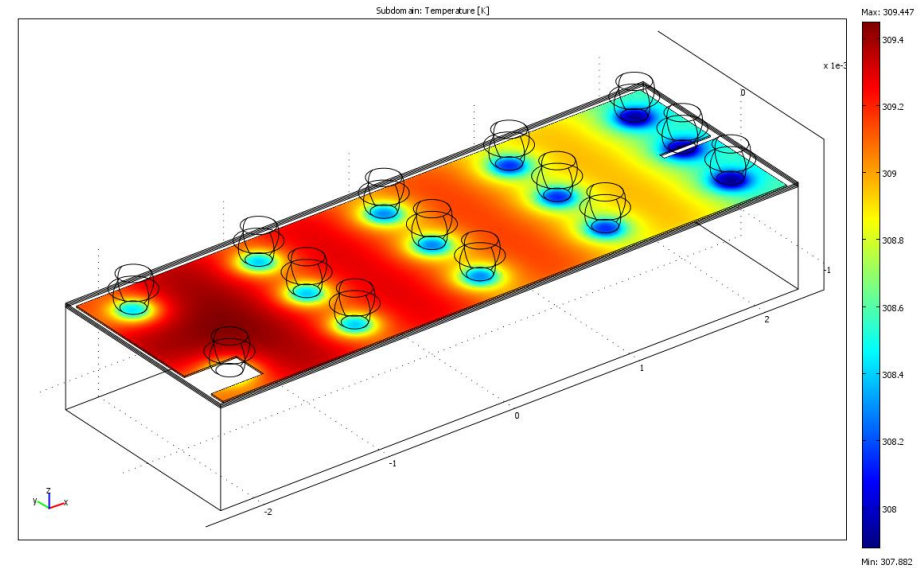


EPC2047 Thermal Model

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

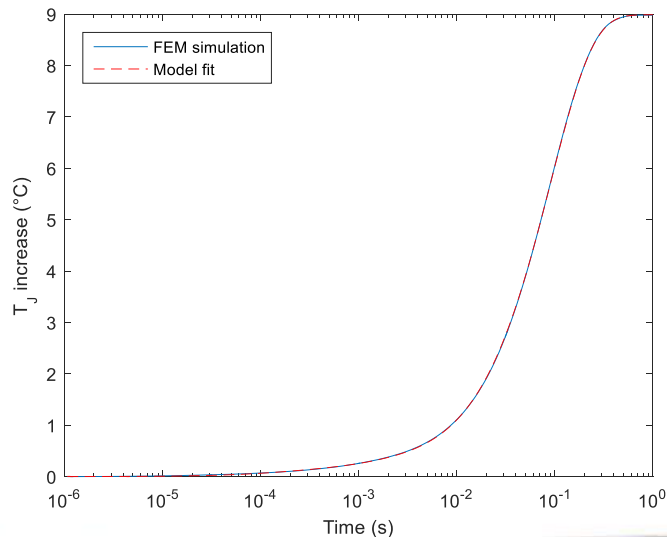
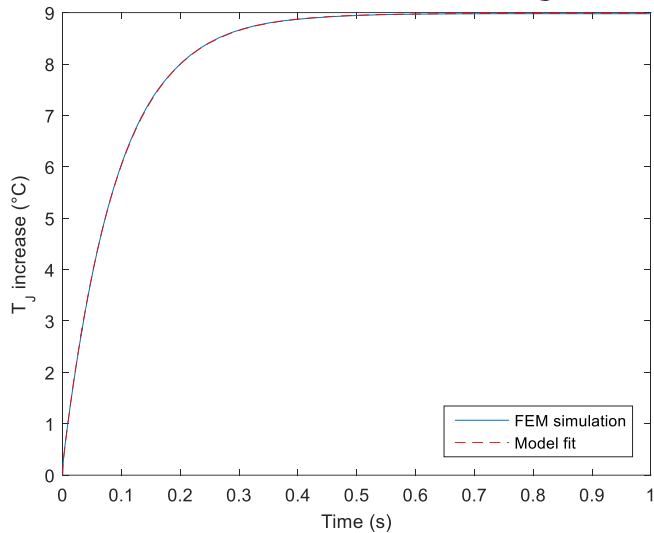
Steady State $R_{\Theta JB}$

$$R_{\Theta JB} = 9.447 \text{ }^{\circ}\text{C/W}$$

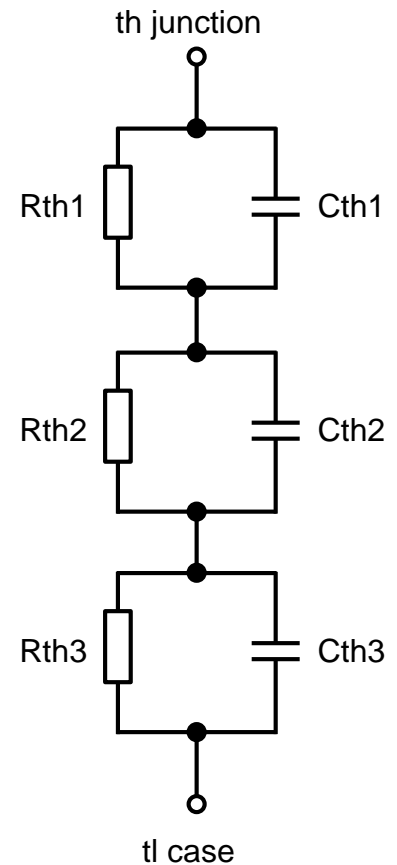


Transient $R_{\theta JB}$

Transient junction temperature as a function of time under 1W load

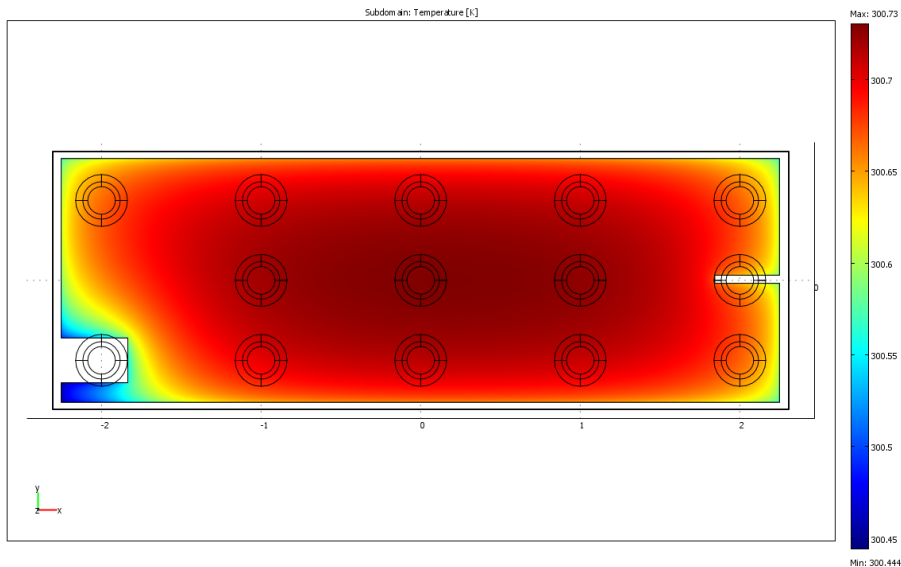
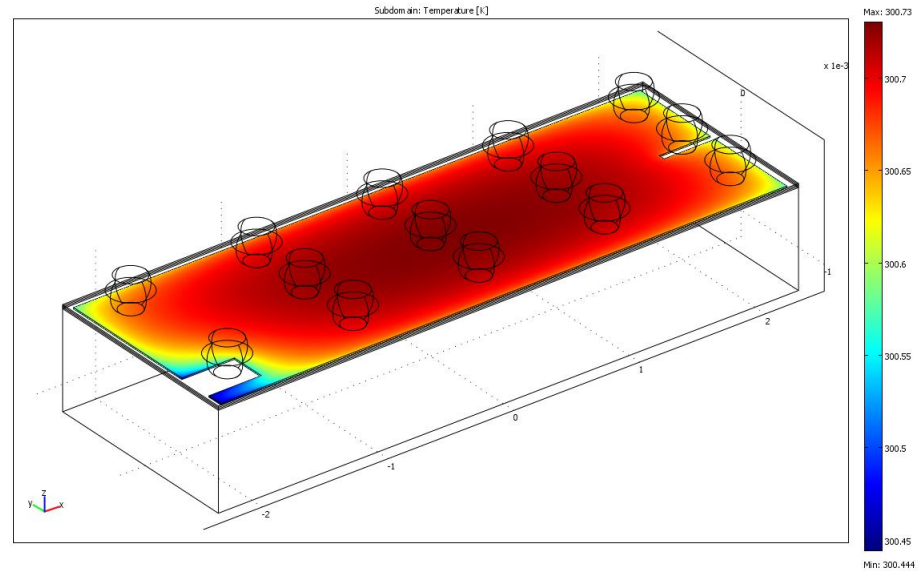


Fitting parameter	Value
Rth1	9.24 °C/W
Cth1	1.04E-2 J/°C
Rth2	1.36E-1 °C/W
Cth2	5.85E-3 J/°C
Rth3	6.9E-2 °C/W
Cth3	1.56E-3 J/°C



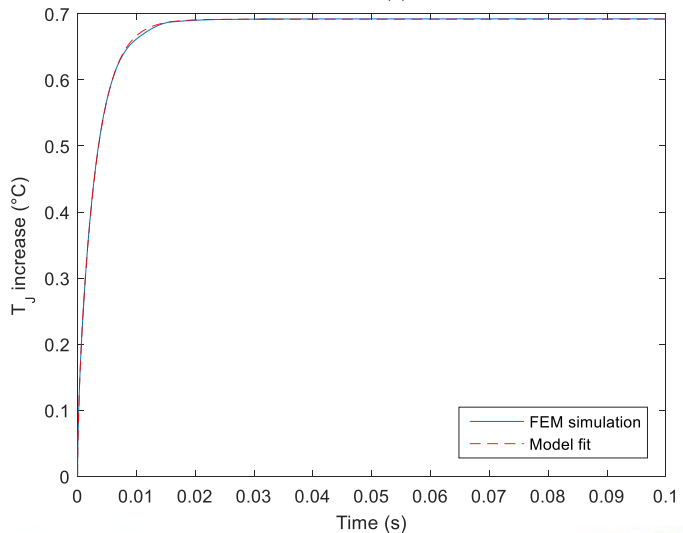
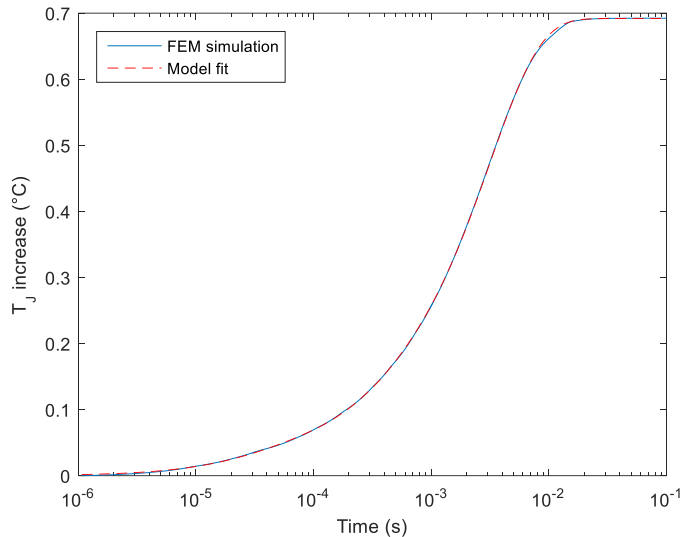
Steady State $R_{\theta JC}$

$$R_{\theta JC} = 0.73 \text{ } ^\circ\text{C/W}$$



Transient $R_{\theta JC}$

Transient junction temperature as a function of time under 1W load



Fitting parameter	Value
Rth1	6.26E-1 $^{\circ}\text{C}/\text{W}$
Cth1	5.33E-3 J/ $^{\circ}\text{C}$
Rth2	7.05E-2 $^{\circ}\text{C}/\text{W}$
Cth2	4.27E-3 J/ $^{\circ}\text{C}$
Rth3	3.39E-2 $^{\circ}\text{C}/\text{W}$
Cth3	8.75E-4 J/ $^{\circ}\text{C}$

