

Thermal RC network (Foster)

SPICE thermal model

frc	ermal resistance om junction to ounting base Cth ₁ Cth ₂ Cth ₃ Cth ₄ Cth ₅ Cth ₆ Cth ₇ Cth ₈ Rth ₁ Rth ₂ Rth ₃ Rth ₄ Rth ₃ Rth ₄ Rth ₅ Rth ₆	2.117E-05 F 1.868E-04 F 2.444E-04 F 2.967E-03 F 1.698E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω 1.154E+00 Ω	-	Тур - - ($\frac{t_{j}}{Rth_{1}} - Cth_{1}$ $Rth_{2} - Cth_{2}$ $Rth_{3} - Cth_{3}$	K/W
	Cth_2 Cth_3 Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	1.868E-04 F 2.444E-04 F 2.967E-03 F 1.698E-03 F 6.259E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			Rth ₁ \leftarrow Cth ₁ Rth ₂ \leftarrow Cth ₂	
	Cth_2 Cth_3 Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	1.868E-04 F 2.444E-04 F 2.967E-03 F 1.698E-03 F 6.259E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			Rth ₁ \leftarrow Cth ₁ Rth ₂ \leftarrow Cth ₂	
	Cth_3 Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	2.444E-04 F 2.967E-03 F 1.698E-03 F 6.259E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			Rth ₁ \leftarrow Cth ₁ Rth ₂ \leftarrow Cth ₂	
	Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	2.967E-03 F 1.698E-03 F 6.259E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			$\frac{1}{Rth_2} = Cth_2$	
	Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	1.698E-03 F 6.259E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			$\frac{1}{Rth_2} = Cth_2$	
	Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	6.259E-03 F 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			$\frac{1}{Rth_2} = Cth_2$	
	Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	 8.221E-02 F 2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω 				
	Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5 Rth_6	2.085E+02 F 2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω				
	Rth ₁ Rth ₂ Rth ₃ Rth ₄ Rth ₅	2.884E-03 Ω 5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω				
	${ m Rth}_2$ ${ m Rth}_3$ ${ m Rth}_4$ ${ m Rth}_5$ ${ m Rth}_6$	5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω			Rth3 Cth3	
	${ m Rth}_2$ ${ m Rth}_3$ ${ m Rth}_4$ ${ m Rth}_5$ ${ m Rth}_6$	5.970E-03 Ω 2.837E-02 Ω 3.855E-02 Ω 5.033E-01 Ω		[Rth3 Cth3	
	Rth₄ Rth₅ Rth ₆	3.855E-02 Ω 5.033E-01 Ω			$\begin{array}{c} Rth_3 = Cth_3 \\ \hline \end{array}$	
	Rth₅ Rth ₆	5.033E-01 Ω			╧╼	
	Rth ₆					
		1 154E+00 O				
		1.1046700 12			Rth4 Cth4	
	Rth ₇	2.626Ε-01 Ω		L I		
	Rth ₈	3.109Ε-03 Ω	((P)		
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				l	Rth6 Cth6	
					Rth7 Cth7	
'art:	BUK7M12-60E				Rth8 Cth8	
Date:	3/3/2016				╧	
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