

Thermal RC network (Foster)

SPICE thermal model

BUK7K6R8-40E

nermal resistance from junction to nounting 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 ₄ Rth ₅	3.575E-05 F 1.981E-04 F 2.706E-04 F 1.210E-03 F 4.930E-03 F 5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω 2.422E-01 Ω	-	Тур	Rth1 Cth1	!
Cth_2 Cth_3 Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	1.981E-04 F 2.706E-04 F 1.210E-03 F 4.930E-03 F 5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth1 Cth1	!
Cth_2 Cth_3 Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	1.981E-04 F 2.706E-04 F 1.210E-03 F 4.930E-03 F 5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth1 Cth1	!
Cth ₃ Cth ₄ Cth ₅ Cth ₆ Cth ₇ Cth ₈ Rth ₁ Rth ₂ Rth ₃ Rth ₄ Rth ₅	2.706E-04 F 1.210E-03 F 4.930E-03 F 5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth1 Cth1	!
Cth_4 Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	1.210E-03 F 4.930E-03 F 5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth ₂ Cth ₂	!
Cth_5 Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	4.930E-03 F 5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth ₂ Cth ₂	!
Cth_6 Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	5.951E-03 F 1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth ₂ Cth ₂	!
Cth_7 Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	1.357E-01 F 6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			- -	
Cth_8 Rth_1 Rth_2 Rth_3 Rth_4 Rth_5	6.011E+01 F 2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			- -	
Rth ₁ Rth ₂ Rth ₃ Rth ₄	2.533E-03 Ω 5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			- -	
Rth_2 Rth_3 Rth_4 Rth_5	5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth3 Cth3	,
Rth_2 Rth_3 Rth_4 Rth_5	5.928E-03 Ω 3.577E-02 Ω 7.656E-02 Ω			Rth3 Cth3	,
Rth ₄ Rth ₅	7.656E-02 Ω			Rth3 Cth3	3
Rth ₅			'	┸ ┯ ┛	
	2.422E-01 Ω				
			1 .		
Rth ₆	1.553E+00 Ω			Rth4 + Cth4	
Rth ₇	4.394Ε-01 Ω				•
Rth ₈	3.829E-03 Ω	((P)		
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	BUK7K6R8-40E 20/3/2013 2.36 K/W	20/3/2013	20/3/2013	20/3/2013 2.36 K/W	Rth6 Cth6 Rth7 Cth7 BUK7K6R8-40E 20/3/2013