

Thermal RC network (Foster)

SPICE thermal model

BUK9K5R1-30E

thermal resistance from junction to mounting base		-	Typ -	2.21	K/W
Cth₁	3.976E-05 F		Ŷ tı		
Cth ₂	2.164E-04 F	1		\neg	
Cth ₃	3.017E-04 F		4		
Cth ₄	1.378E-03 F			tth1 ± Cth1	
Cth ₅	5.688E-03 F		Ų		
Cth ₆	6.507E-03 F				
Cth ₇	1.055E-01 F		ή	•	
				ttn2 = Cth2	
			닌	-	
Rth₁	2.295Ε-03 Ω		_	-	
Rth_2	5.374E-03 Ω			- Cub-	
Rth ₃	3.333E-02 Ω		∐"	urs — curs	
Rth ₄	6.878E-02 Ω		_	┩—	
Rth ₅	2.139E-01 Ω		4		
Rth ₆	1.358E+00 Ω			tth4 #Cth4	
Rth ₇	5.236E-01 Ω	لر	_ Y		
		(F	·) _		
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				the Cths	
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				-	
				the Lane	
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			4	•	
			F	tth7 🗯 Cth7	
			닌		
BUK9K5R1-30E					
20/3/2013					
2.21 K/W		l	•		
			† Մասո	ıb	
	Cth ₂ Cth ₃ Cth ₄ Cth ₅ Cth ₆ Cth ₇ Rth ₁ Rth ₂ Rth ₃ Rth ₄ Rth ₅ Rth ₆ Rth ₇	Cth ₂ 2.164E-04 F Cth ₃ 3.017E-04 F Cth ₄ 1.378E-03 F Cth ₅ 5.688E-03 F Cth ₆ 6.507E-03 F Cth ₇ 1.055E-01 F Rth ₁ 2.295E-03 Ω Rth ₂ 5.374E-03 Ω Rth ₃ 3.333E-02 Ω Rth ₄ 6.878E-02 Ω Rth ₆ 1.358E+00 Ω Rth ₇ 5.236E-01 Ω	Cth ₂ 2.164E-04 F Cth ₃ 3.017E-04 F Cth ₄ 1.378E-03 F Cth ₅ 5.688E-03 F Cth ₆ 6.507E-03 F Cth ₇ 1.055E-01 F Rth ₁ 2.295E-03 Ω Rth ₂ 5.374E-03 Ω Rth ₃ 3.333E-02 Ω Rth ₄ 6.878E-02 Ω Rth ₆ 1.358E+00 Ω Rth ₇ 5.236E-01 Ω	Cth ₂ 2.164E-04 F Cth ₃ 3.017E-04 F Cth ₄ 1.378E-03 F Cth ₅ 5.688E-03 F Cth ₆ 6.507E-03 F Cth ₇ 1.055E-01 F Rth ₁ 2.295E-03 Ω Rth ₂ 5.374E-03 Ω Rth ₃ 3.333E-02 Ω Rth ₄ 6.878E-02 Ω Rth ₅ 2.139E-01 Ω Rth ₇ 5.236E-01 Ω P BUK9KSR1-30E 20/3/2013 2.21 K/W	Cth ₂ 2.164E-04 F Cth ₃ 3.017E-04 F Cth ₄ 1.378E-03 F Cth ₅ 5.688E-03 F Cth ₆ 6.507E-03 F Cth ₇ 1.055E-01 F Rth ₁ 2.295E-03 Ω Rth ₂ 5.374E-03 Ω Rth ₃ 3.333E-02 Ω Rth ₆ 2.139E-01 Ω Rth ₇ 1.358E+00 Ω Rth ₇ 5.236E-01 Ω Rth ₇ 5.236E-01 Ω