# ne<mark>x</mark>peria

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On 7 February 2017 the former NXP Standard Product business became a new company with the tradename **Nexperia**. Nexperia is an industry leading supplier of Discrete, Logic and PowerMOS semiconductors with its focus on the automotive, industrial, computing, consumer and wearable application markets

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If you have any questions related to the data sheet, please contact our nearest sales office via e-mail or telephone (details via **salesaddresses@nexperia.com**). Thank you for your cooperation and understanding,

Kind regards,

Team Nexperia



# Thermal RC network (Foster)

## SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.21	K/W
	Cth <sub>1</sub>	3.976E-05 F		<u> </u>		
	Cth <sub>2</sub>	2.164E-04 F	Γ	• •	7	
	Cth <sub>3</sub>	3.017E-04 F		L. L.	- <b>•</b>	
	Cth <sub>4</sub>	1.378E-03 F		F	th1 📥 Cth1	
	Cth <sub>5</sub>	5.688E-03 F		닌		
	Cth <sub>6</sub>	6.507E-03 F		_		
	Cth <sub>7</sub>	1.055E-01 F		∏г		
	Rth₁	2.295Ε-03 Ω		بر س		
	Rth <sub>2</sub>	5.374E-03 Ω		<u></u> н_		
	Rth <sub>3</sub>	3.333E-02 Ω		F	Rths 🚔 Cths	
	Rth <sub>4</sub>	6.878E-02 Ω		면	_ <b>_</b>	
	Rth₅	2.139E-01 Ω		<u>ب</u>	- <b>4</b>	
	Rth <sub>6</sub>	1.358E+00 Ω		F	8th4 <b>≠</b> Cth4	
	Rth <sub>7</sub>	5.236E-01 Ω	لر	_ μ'		
			(Р	·) _		
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Part:	BUK9K20-80E					
Date:	15/6/2017					
Model Rth	2.21 K/W		L	•		
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