# ne<mark>x</mark>peria

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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	Мах	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	3.40	K/W
	Cth <sub>1</sub>	1.254E-05 F		<del>个</del>	tj	
	Cth <sub>2</sub>	1.257E-04 F		<b>_</b>	<u>۲</u>	
	Cth <sub>3</sub>	7.908E-05 F			<u>с</u> •	
	Cth <sub>4</sub>	5.371E-02 F			Rth1 📥 Cth	1
	Cth <sub>5</sub>	4.805E-04 F		l l		•
	Cth <sub>6</sub>	1.086E-02 F				
	Cth <sub>7</sub>	2.098E-02 F		٦ (		
	Cth <sub>8</sub>	3.685E+03 F			$\operatorname{Rth}_2 = \operatorname{Cth}$	2
	Rth₁	6.283E-03 Ω				
	Rth <sub>2</sub>	1.024E-02 Ω		l r	5 7	
	Rth <sub>3</sub>	7.854E-02 Ω			Rth3 🛨 Cth	3
	Rth <sub>4</sub>	2.335E-03 Ω			ᡗ᠋	
	Rth₅	2.418E+00 Ω			<u></u>	
	Rth <sub>6</sub>	8.346E-01 Ω			Rth4 📥 Cth	4
	Rth <sub>7</sub>	4.766E-02 Ω			<b></b>	4
	Rth <sub>8</sub>	2.714E-04 Ω	(	(P)		
					Rth5 $=$ Cth	5
					ſ_	
				] [		6
						0
					<u></u>	
					$Rth_7 + Cth$	7
art:	BUK9M120-100E				Rth8 + Cth	8
ate:	3/3/2016				᠊ᡸ᠆ᡨ	
lodel Rth	3.40 K/W			<del>₽</del> _	]	
				$\checkmark$	t <sub>amb</sub> 001aal76	

#### www.nxp.com

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