# 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	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.44	K/W
	Cth <sub>1</sub>	2.010E-05 F		Д	4	
	Cth <sub>2</sub>	1.708E-04 F		<b>_</b>	<u>tj</u>	
	Cth <sub>3</sub>	1.888E-04 F			<b>_</b>	
	Cth <sub>4</sub>	7.066E-03 F				
	Cth <sub>5</sub>	1.019E-03 F			$\int Rth_1 + Cth_1$	
	Cth <sub>6</sub>	9.129E-03 F				
	Cth <sub>7</sub>	9.134E-02 F		Г	∽	
	Cth <sub>8</sub>	2.243E+02 F			$\int Rth_2 \rightleftharpoons Cth_2$	2
	Rth₁	4.007Ε-03 Ω				
	Rth <sub>2</sub>	6.986E-03 Ω		r	$\gamma$	
	Rth <sub>3</sub>	4.049E-02 Ω			Rth3 = Cth	3
	Rth <sub>4</sub>	1.746E-02 Ω			ᡗ᠋	
	Rth₅	1.084E+00 Ω			<u></u>	
	Rth <sub>6</sub>	1.072E+00 Ω				
	Rth <sub>7</sub>	2.058E-01 Ω				ŀ
	Rth <sub>8</sub>	4.457Ε-03 Ω	(	(P)		
						5
						3
					Rth7 $=$ Cth7	,
Part:	BUK9M35-80E					3
Date:	9/5/2016 2.44 K/W					
Iodel Rth	2.44 K/W				t <sub>amb</sub>	
				$\diamond$	-amb 001aal768	2

#### www.nxp.com

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