# 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
th(j-mb)	thermal resistance from junction to mounting base		-	-	2.00	K/W
	Cth <sub>1</sub>	2.117E-05 F		Ą	<b>t</b> .	
	Cth <sub>2</sub>	1.868E-04 F		_ <b> </b>	tj	
	Cth <sub>3</sub>	2.444E-04 F			<u></u>	
	Cth <sub>4</sub>	2.967E-03 F				1
	Cth <sub>5</sub>	1.698E-03 F		L L	,,,,, <b>, ⊥, ,,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,	1
	Cth <sub>6</sub>	6.259E-03 F				
	Cth <sub>7</sub>	8.221E-02 F		Г		
	Cth <sub>8</sub>	2.085E+02 F			$\int Rth_2 = Cth_2$	2
	Rth₁	2.884E-03 Ω				
	Rth <sub>2</sub>	5.970E-03 Ω		Г	<b></b>	
	Rth <sub>3</sub>	2.837E-02 Ω			Rth3 📥 Cth;	3
	Rth <sub>4</sub>	3.855E-02 Ω		L	╧╼╴	
	Rth₅	5.033E-01 Ω			<b>_</b>	
	Rth <sub>6</sub>	1.154E+00 Ω			Rth4 Cth	
	Rth <sub>7</sub>	2.626E-01 Ω				4
	Rth <sub>8</sub>	3.109E-03 Ω	(	(P)		
			· · ·	Ч г		
					$\int Rth_5 + Cth_9$	5
				Г	$\{ - \bullet \}$	
					Rth6 📥 Cth	3
				L	╧╼╧	
						_
					$\int Rth_7 + Cth^2$	7
					<b></b>	
Part:	BUK9M28-80E			г	<b>└</b> ╋──│	
					Rth8 📥 Cth	8
Date:	9/5/2016				╧┓	
Nodel Rth	2.00 K/W					
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				v	001aal76	8

#### www.nxp.com

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