# 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		-	-	0.43	K/W
	Cth <sub>1</sub>	2.727E-04 F		Ą	t:	
	Cth <sub>2</sub>	1.961E-03 F		_ <b> </b>	tj	
	Cth <sub>3</sub>	1.472E-03 F			<b>_</b>	
	Cth <sub>4</sub>	5.515E-03 F				1
	Cth <sub>5</sub>	1.889E-02 F		L L	<b></b>	1
	Cth <sub>6</sub>	3.370E-02 F				
	Cth <sub>7</sub>	7.373E-01 F		l r	$\mathbf{f} = \mathbf{f}$	
	Cth <sub>8</sub>	2.812E+02 F			$\int Rth_2 + Cth_2$	2
	Rth₁	3.269Ε-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω		Г	$\neg$	
	Rth <sub>3</sub>	7.505E-03 Ω			Rth3 🕇 Cth;	3
	Rth <sub>4</sub>	1.817E-02 Ω		L	╧╺╾┙	
	Rth₅	6.176E-02 Ω			<b>_</b>	
	Rth <sub>6</sub>	2.678E-01 Ω			Rth4 + Cth	4
	Rth <sub>7</sub>	7.287E-02 Ω				4
	Rth <sub>8</sub>	6.467E-04 Ω	(	(P)		
				$\checkmark$	$\neg \neg \neg \neg$	
					Rth5 = Cth	5
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				Г	$\neg \bullet \neg $	
					Rth7 🚔 Cth	7
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'art:	BUK952R8-60E					<b>`</b>
)ata:	17///2012				$\int Rth_8 + Cth_8$	5
oate: Iodel Rth	17/4/2013 0.43 K/W				· • • · · · · · · · · · · · · · · · · ·	
	0.43 K/W			└── <b>↑</b>	tomh	
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#### www.nxp.com

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