# 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
₹ <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.51	K/W
	Cth <sub>1</sub>	2.085E-04 F		Ą	t:	
	Cth <sub>2</sub>	1.582E-03 F		_ <b> </b>	tj	
	Cth <sub>3</sub>	1.124E-03 F			<u></u>	
	Cth <sub>4</sub>	4.066E-03 F				
	Cth <sub>5</sub>	1.379E-02 F		L	<b></b>	
	Cth <sub>6</sub>	2.696E-02 F				
	Cth <sub>7</sub>	6.892E-01 F		Г	$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix}$	
	Cth <sub>8</sub>	1.806E+02 F			$\int Rth_2 \stackrel{\bullet}{=} Cth_2$	2
	Rth₁	4.200Ε-04 Ω				
	Rth <sub>2</sub>	8.136E-04 Ω		г	5	
	Rth <sub>3</sub>	9.132E-03 Ω			Rth3 🛨 Cth3	3
	Rth <sub>4</sub>	2.352E-02 Ω		L L	╧╺	
	Rth₅	8.209E-02 Ω			<b>_</b>	
	Rth <sub>6</sub>	3.277E-01 Ω				
	Rth <sub>7</sub>	7.932E-02 Ω				ŀ
	Rth <sub>8</sub>	8.874E-04 Ω	(	(Р)		
				$\bigvee$		
						)
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						5
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				L	┘┓╴	
Part:	BUK963R3-60E				<b>└──</b> ┘	
						3
Date:	11/4/2013				└ <b>─</b> ╋──┘	
Model Rth	0.52 K/W			└ <b>∳</b>	] • •	
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					001aal768	5

#### www.nxp.com

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