# ne<mark>x</mark>peria

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On 7 February 2017 the former NXP Standard Product business became a new company with the tradename **Nexperia**. Nexperia is an industry leading supplier of Discrete, Logic and PowerMOS semiconductors with its focus on the automotive, industrial, computing, consumer and wearable application markets

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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		-	-	0.64	K/W
	Cth <sub>1</sub>	1.572E-04 F		Д		
	Cth <sub>2</sub>	1.124E-03 F		<b>_</b>	tj	
	Cth <sub>3</sub>	8.462E-04 F				
	$Cth_4$	3.272E-03 F				
	Cth <sub>5</sub>	1.019E-02 F				
	Cth <sub>6</sub>	2.118E-02 F				
	Cth <sub>7</sub>	5.698E-01 F		- Г	<b>۲</b> • − 1	
	Cth <sub>8</sub>	1.813E+02 F			$\int Rth_2 + Cth_2$	2
	Rth₁	5.654E-04 Ω				
	Rth <sub>2</sub>	1.114E-03 Ω		r		
	Rth <sub>3</sub>	1.315E-02 Ω				3
	Rth <sub>4</sub>	3.159E-02 Ω			┎	
	Rth <sub>5</sub>	1.138E-01 Ω			<u></u>	
	Rth <sub>6</sub>	3.999E-01 Ω				
	Rth <sub>7</sub>	9.381E-02 Ω			<b></b>	•
	Rth <sub>8</sub>	1.005E-03 Ω	(	Р		
						5
						5
				L		
					Rth7 $=$ Cth7	,
Part:	BUK964R8-60E					3
ate:	11/4/2013					
Iodel Rth	0.65 K/W			└ <b>∳</b>	] • .	
				$\checkmark$	t <sub>amb</sub> 001aal768	

#### www.nxp.com

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