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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Instead of <u>http://www.nxp.com</u>, <u>http://www.philips.com/</u> or <u>http://www.semiconductors.philips.com/</u>, use <u>http://www.nexperia.com</u>

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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		-	-	0.46	K/W
	Cth ₁	2.404E-04 F		Ą		
	Cth ₂	1.735E-03 F		_	tj	
	Cth ₃	1.299E-03 F				
	Cth_4	4.873E-03 F				
	Cth ₅	1.648E-02 F				
	Cth ₆	2.996E-02 F			└ ──† ──┘	
	Cth ₇	6.007E-01 F		- r	۲ • − 1	
	Cth ₈	1.529E+02 F			$\int Rth_2 + Cth_2$	2
	Rth₁	3.714E-04 Ω				
	Rth ₂	7.331E-04 Ω		r		
	Rth ₃	8.493E-03 Ω			Rth3 Cth	3
	Rth ₄	2.053E-02 Ω			┎	
	Rth ₅	6.988E-02 Ω			_	
	Rth ₆	2.879E-01 Ω				•
	Rth ₇	8.385E-02 Ω				•
	Rth ₈	1.433E-03 Ω		(P)		
					$\int Rth_5 \overset{\bullet}{=} Cth_5$	5
						3
					Rth7 $=$ Cth;	7
Part:	BUK962R8-60E					3
ate:	11/4/2013				┎	
Nodel Rth	0.47 K/W			∳] •	
				\checkmark	t _{amb} 001aal768	_

www.nxp.com

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