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

In data sheets and application notes which still contain NXP or Philips Semiconductors references, use the references to Nexperia, as shown below.

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 R _{th(j-mb)}	thermal resistance			Тур		Unit
	from junction to mounting base		-	-	0.51	K/W
	Cth ₁	2.085E-04 F		Ą		
	Cth ₂	1.582E-03 F		_	tj	
	Cth ₃	1.124E-03 F			_	
	Cth_4	4.066E-03 F			Rth1 + Cth1	
	Cth ₅	1.379E-02 F				
	Cth ₆	2.696E-02 F				
	Cth ₇	6.892E-01 F		- r	└ • _]	
	Cth ₈	1.806E+02 F			$\int Rth_2 \stackrel{\bullet}{=} Cth_2$	
	Rth₁	4.200Ε-04 Ω				
	Rth ₂	8.136E-04 Ω		l r		
	Rth ₃	9.132E-03 Ω			Rth3 🛨 Cth3	
	Rth ₄	2.352E-02 Ω			┎╧┻┻	
	Rth₅	8.209E-02 Ω			♠	
	Rth ₆	3.277E-01 Ω				
	Rth ₇	7.932E-02 Ω				
	Rth ₈	8.874E-04 Ω	((P)		
				Ť [
				ſ		
				l r	┎─∳──┐	
					$\operatorname{Rth}_7 = \operatorname{Cth}_7$	
Part:	BUK753R5-60E					
urt.						
Date:	17/4/2013					
Nodel Rth	0.52 K/W			· · · · •] • .	
				\checkmark	t _{amb} 001aal768	

www.nxp.com

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