# 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 R <sub>th(j-mb)</sub>	thermal resistance			Тур		
	from junction to mounting base		-	-	0.43	K/W
	Cth <sub>1</sub>	2.727E-04 F		Ą	<b>6</b> .	
	Cth <sub>2</sub>	1.961E-03 F		<b>_</b>	<b>t</b> j	
	Cth <sub>3</sub>	1.472E-03 F			<b>_</b>	
	Cth <sub>4</sub>	5.515E-03 F			Rth <sub>1</sub> $=$ Cth <sub>1</sub>	
	Cth <sub>5</sub>	1.889E-02 F				
	Cth <sub>6</sub>	3.370E-02 F			<b></b>	
	Cth <sub>7</sub>	7.373E-01 F		-   r	<b>└─</b> ◆──]	
	Cth <sub>8</sub>	2.812E+02 F			$\int Rth_2 \stackrel{\bullet}{=} Cth_2$	
	Rth₁	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω		l r		
	Rth <sub>3</sub>	7.505Ε-03 Ω			Rth3 🛨 Cth3	
	Rth <sub>4</sub>	1.817E-02 Ω			┎╧╺╋╾╌┨	
	Rth₅	6.176E-02 Ω			<u></u>	
	Rth <sub>6</sub>	2.678E-01 Ω				
	Rth <sub>7</sub>	7.287Ε-02 Ω				
	Rth <sub>8</sub>	6.467Ε-04 Ω		(P)		
				T [	$ Rth_5 - Cth_5 $	
					Rth7 $-$ Cth7	
Part:	BUK7E4R0-80E					
)ate:	11/4/2013				└ <b>─</b> ╋──┘	
Rth	0.43 K/W				] t <sub>amb</sub> 001aal768	

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