# 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		-	-	0.65	K/W
	Cth <sub>1</sub>	1.572E-04 F		Ą	4.	
	Cth <sub>2</sub>	1.124E-03 F		<b>_</b>	tj	
	Cth <sub>3</sub>	8.462E-04 F				
	Cth <sub>4</sub>	3.272E-03 F			Rth1 + Cth1	
	Cth <sub>5</sub>	1.019E-02 F		l l		
	Cth <sub>6</sub>	2.118E-02 F				
	Cth <sub>7</sub>	5.698E-01 F		- I - r	ᠳ᠊᠊ᢇ	
	Cth <sub>8</sub>	1.813E+02 F			$\int Rth_2 \rightleftharpoons Cth_2$	
	Rth₁	5.654E-04 Ω				
	Rth <sub>2</sub>	1.114E-03 Ω		- Г		
	Rth <sub>3</sub>	1.315E-02 Ω			Rth3 🛨 Cth3	
	Rth <sub>4</sub>	3.159E-02 Ω		L .	᠊᠋	
	Rth₅	1.138E-01 Ω				
	Rth <sub>6</sub>	3.999E-01 Ω				
	Rth <sub>7</sub>	9.381E-02 Ω				
	Rth <sub>8</sub>	1.005E-03 Ω	(	(P)		
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					$\operatorname{Rth}_7 = \operatorname{Cth}_7$	,
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