

## 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		-	-	4.36	K/W
	Cth <sub>1</sub>	6.899E-06 F		<b>Υ</b>		
	Cth <sub>2</sub>	6.734E-05 F	Γ	• •		
	Cth <sub>3</sub>	9.196E-05 F		б	•	
	Cth <sub>4</sub>	6.980E-04 F		F	tth1 📫 Cth1	
	Cth <sub>5</sub>	6.110E-04 F		닌	_ <b>_</b>	
	Cth <sub>6</sub>	6.934E-03 F		_	_ <b>_</b>	
	Cth <sub>7</sub>	9.152E-03 F		П <sub>в</sub>	$th_2 \doteq Cth_2$	
				Ц·		
	Rth₁	7.092Ε-03 Ω		_		
	Rth <sub>2</sub>	1.538E-02 Ω		́ _ ́ _		
	Rth <sub>3</sub>	6.973E-02 Ω		F	tth3 📫 Cth3	
	Rth <sub>4</sub>	1.774E-01 Ω		T	_┩┘	
	$Rth_5$	6.340E-01 Ω		6	- <b>4</b>	
	Rth <sub>6</sub>	1.964E+00 Ω		F	th4 = Cth4	
	Rth <sub>7</sub>	1.493E+00 Ω	لے	< Y		
			( P	_ (י	_ <b>_</b>	
			Т	́ ́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́		
					ths = Cths	
				τ_	- <b></b>	
				Б.	-•	
				F	the tCthe	
				닌	_	
				_	Ţ.	
				́п_		
					tth7 📥 Cth7	
				۲	- <b>-</b>	
Part:	PSMN6R0-25YLD					
Date:	22/3/2016					
Model Rth	4.36 K/W		L			
				. ↓ t <sub>an</sub>	dr	
				v		

www.nxp.com

© 2009 NXP B.V.

All rights reserved. Reproduction in whole or in part is prohibited without prior consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of it's use. Publication thereof does not convey or imply any license under patent- or other industrial or intellectual property rights.