

## Thermal RC network (Foster)

## **SPICE thermal model**

## PSMN4R0-30YLD

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	2.33	K/W
	Cth <sub>1</sub>	1.994E-05 F		<b>Ŷ</b> •		
	Cth <sub>2</sub>	1.263E-04 F	1	<u> </u>		
	Cth <sub>3</sub>	1.427E-04 F		4	<del>-</del>	
	Cth <sub>4</sub>	1.161E-03 F			tth1 #Cth1	
	Cth <sub>5</sub>	1.321E-03 F		Ų	.	
	Cth <sub>6</sub>	6.227E-03 F				
	Cth <sub>7</sub>	5.852E-02 F		$h_{f a}$		
				Ų"	th <sub>2</sub> = Cth <sub>2</sub>	
	Rth <sub>1</sub>	4.499E-03 Ω				
	Rth <sub>2</sub>	9.686E-03 Ω			- Cub-	
	Rth <sub>3</sub>	6.035E-02 Ω		□"	tth3 🖶 Cth3	
	Rth <sub>4</sub>	9.644E-02 Ω			•	
	Rth <sub>5</sub>	5.252E-01 Ω		4	<del></del>	
	Rth <sub>6</sub>	1.425E+00 Ω			th4 = Cth4	
	Rth <sub>7</sub>	2.062E-01 Ω	لر	<b>Ч</b>		
			( F	<b>'</b> )  _	<u></u>	
			7	一 巾.	<u> </u>	
					ths = Cths	
					┩	
				4	<del></del>	
					the ‡Cth6	
				Ų		
				一		
					th7 = Cth7	
				노	+	
Port:	DOMNIADO 20VI D					
Part:	PSMN4R0-30YLD					
Date:	6/10/2015					
Model Rth	2.33 K/W		l	4		
				√ t <sub>err</sub>	nb	