

## 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		-	-	3.22	K/W
	Cth <sub>1</sub>	1.039E-05 F		Ą	4.	
	Cth <sub>2</sub>	1.209E-04 F		<b>_</b>	tj	
	Cth <sub>3</sub>	1.012E-04 F			<b>\</b>	
	Cth <sub>4</sub>	7.006E-04 F				4
	Cth <sub>5</sub>	9.345E-04 F				1
	Cth <sub>6</sub>	6.477E-03 F				
	Cth <sub>7</sub>	3.819E-02 F		Г	$\{ \frown \bullet \frown \}$	
	Cth <sub>8</sub>	4.371E+01 F			$\int Rth_2 = Cth_2$	2
	Rth₁	6.351E-03 Ω				
	Rth <sub>2</sub>	1.020E-02 Ω		Г	5 7	
	Rth <sub>3</sub>	8.185E-02 Ω			Rth3 📥 Cth	3
	Rth₄	1.526E-01 Ω			╧╺	
	Rth₅	9.039E-01 Ω			<b>\</b>	
	Rth <sub>6</sub>	1.374E+00 Ω			Rth4 Cth	
	Rth <sub>7</sub>	6.843E-01 Ω				4
	Rth <sub>8</sub>	7.108E-03 Ω	(	(Р)		
				$\int$		5
						6
				L	╧╺	-
					<u></u>	
						7
Part:	PSMN6R1-30YLD					B
Date:	17/11/2015				╧╺╧	
Model Rth	3.22 K/W					
				$\downarrow$	t <sub>amb</sub>	
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