

## **Thermal RC network (Foster)**

## SPICE thermal model

PSMN1R7-25YLD

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	1.11	K/W
	Cth <sub>1</sub>	2.148E-03 F		$\triangle$		
	Cth <sub>2</sub>	1.452E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	4.603E-04 F				
	Cth <sub>4</sub>	1.735E-03 F			<u> </u>	
	Cth <sub>5</sub>	6.175E-03 F			」Rth1 <b>‡</b> Cth	1
	Cth <sub>6</sub>	8.776E-03 F			<b>—</b>	
	Cth <sub>7</sub>	6.086E-01 F			<del>, •</del> Τ	
	Cth <sub>8</sub>	5.537E+01 F			Rth <sub>2</sub> + Cth	2
	Rth₁	5.983E-05 Ω			<b>—</b>	
	Rth <sub>2</sub>	1.035E-02 Ω			<del>「</del>	
	Rth <sub>3</sub>	2.030E-02 Ω			Rth3 = Cth	3
	Rth <sub>4</sub>	6.090E-02 Ω		-	┸—	
	Rth <sub>5</sub>	2.067E-01 Ω				
	Rth <sub>6</sub>	6.474E-01 Ω			Rth4 Cth	
	Rth <sub>7</sub>	1.609E-01 Ω			JRth₄ 🕇 Cth.	4
	Rth <sub>8</sub>	3.504E-03 Ω	(	(P)		
			`	· Г	<b>5</b>	
					Rth5 + Cth	5
				L		
					<sup>1</sup> թ., ⊥	
					Rth6 + Cth	6
					ς• Τ	
					Rth7 + Cth	7
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	DOMMART 05: " T				$\overline{}$	
Part:	PSMN1R7-25YLD				Rth8 + Cth	R
ate:	17/3/2016			[		J
Model Rth	1.11 K/W					
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				<b>v</b>	001aal76	0