

## 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		-	-	0.59	K/W
	Cth <sub>1</sub>	2.091E-04 F		<del></del>	t <sub>i</sub>	
	Cth <sub>2</sub>	3.786E-04 F		<b>\</b>	<u>י</u>	
	Cth <sub>3</sub>	1.149E-03 F			<u>∟</u> ♦ ]	
	Cth₄	2.963E-03 F			Rth1 + Cth	1
	Cth₅	4.525E-02 F		L L		•
	Cth <sub>6</sub>	1.341E-02 F				
	Cth <sub>7</sub>	1.150E+00 F		l r	$\gamma$	
	Cth <sub>8</sub>	2.085E+00 F			$\operatorname{Rth}_2 = \operatorname{Cth}_1$	2
	Rth <sub>1</sub>	5.439E-04 Ω				
	Rth <sub>2</sub>	2.734E-03 Ω		Г	$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix}$	
	Rth <sub>3</sub>	9.087E-03 Ω			Rth3 茾 Cth	3
	Rth <sub>4</sub>	2.370E-02 Ω			╧╺	
	Rth <sub>5</sub>	3.030E-02 Ω		_		
	Rth <sub>6</sub>	3.378E-01 Ω				
	Rth <sub>7</sub>	1.256E-01 Ω		L L		4
	Rth <sub>8</sub>	6.030E-02 Ω	(	́Р)		
			Ň	$\checkmark$ r	$\neg \neg \neg$	
					Rth5 📥 Cth	5
				L	╧╺╾┚	
					Rth6 + Cth	
						6
					<b></b>	
				l r	$ \int \Phi =  $	
					Rth7 🚔 Cth	7
					╧╺╾┙	
Dort						
Part:	PSMN0R7-25YLD			[		-
)ata:	17/3/2016				$\operatorname{Rth}_8 = \operatorname{Cth}$	אי
Date: Model Rth	0.59 K/W				<b></b>	
	0.03 1010			<b>f</b>	t <sub>amb</sub>	
				$\bigtriangledown$	amb 001aal76	8

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