

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

## **SPICE** thermal model

PSMN1R3-30YL

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	0.40	<del>.</del>	K/W
				个 t <sub>j</sub>		
	Cth₁	6.388E-03 F	Г	<del>,</del>	1	
	Cth <sub>2</sub>	1.061E-02 F		Т,	<b>-</b>	
	Cth <sub>3</sub>	4.866E-03 F		Rth	n1 <b>井</b> Cth1	
	Cth <sub>4</sub>	1.991E-02 F		Ų	_	
	Cth <sub>5</sub>	3.524E+01 F				
				4	•	
				Rth	12 <b>‡</b> Cth <sub>2</sub>	
				닌_		
	Rth <sub>1</sub>	9.233E-04 Ω		ή	Т.	
	Rth <sub>2</sub>	2.256E-02 Ω		Rth	າ3 <b>‡</b> Cth₃	
	Rth <sub>3</sub>	8.994E-02 Ω		Ч.,	<b>-</b>	
	Rth <sub>4</sub>	2.854E-01 Ω			<u> </u>	
	Rth₅	1.151E-03 Ω		Rth	n4	
				Ĺ <u></u>	"4 <b>T</b> C III 4	
			( P	)	┞	
			<u></u>		<b>-</b>	
				Rth	n5 🛨 Cth5	
				Ų,	_	
	DOM: 14 DO 003/4					
Part:	PSMN1R3-30YL					
<b>.</b> .	0.10.10 - : -					
Date:	8/3/2018		L	1 +	J	
Model Rth	0.40 K/W			↓ t <sub>amb</sub>	)	