

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK9Y12-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.63	K/W
	Cth <sub>1</sub>	7.578E-05 F		<b>∱ \$</b>		
	Cth <sub>2</sub>	5.163E-04 F	1	17	$\neg$	
	Cth <sub>3</sub>	5.303E-04 F		4	<del></del>	
	Cth <sub>4</sub>	4.594E-03 F			tth1 #Cth1	
	Cth <sub>5</sub>	8.156E-03 F		Ų	, T,	
	Cth <sub>6</sub>	1.766E-02 F				
	Cth <sub>7</sub>	2.995E-01 F		Щ		
					tth2 = Cth2	
				Έ	<b>-</b>	
	Rth <sub>1</sub>	1.090E-03 Ω		_	<del>-</del>	
	Rth <sub>2</sub>	1.835E-03 Ω			tths 📥 Ctha	
	Rth <sub>3</sub>	1.563E-02 Ω		ή.	-5 - 5013	
	Rth <sub>4</sub>	2.408Ε-02 Ω			1	
	Rth <sub>5</sub>	1.003E-01 Ω		4	•	
	Rth <sub>6</sub>	4.443E-01 Ω			tth4 = Cth4	
	Rth <sub>7</sub>	4.209E-02 Ω	يے	_		
			( F	'ノ -	<del>-</del>	
			T	ĺ.	Han	
				U"	ths = Cths	
				_	•	
				4	•	
				F	the ‡Cth6	
				닌	_	
				_	<u> </u>	
					<u> </u>	
					tth7 = Cth7	
				T	<del> </del>	
Part:	BUK9Y12-100E					
	20.10.12.1002					
Date:	25/1/2013					
Rth	0.63 K/W	,	Į			
					nb	
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