

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7Y4R4-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	1.02	K/W
	Cth₁	4.600E-05 F		<b>∱ \$</b>		
	Cth <sub>2</sub>	3.048E-04 F	1	-	$\neg$	
	Cth <sub>3</sub>	3.403E-04 F		4	<del></del>	
	Cth₄	2.544E-03 F			tth1 #Cth1	
	Cth <sub>5</sub>	4.385E-03 F		닏		
	Cth <sub>6</sub>	1.298E-02 F				
	Cth <sub>7</sub>	1.537E-01 F		ή_		
					tth2 = Cth2	
				7_	<b>-</b>	
	Rth <sub>1</sub>	1.861E-03 Ω			<del>-</del>	
	Rth <sub>2</sub>	3.756E-03 Ω			tths 📥 Ctha	
	Rth <sub>3</sub>	2.584E-02 Ω		μ.	-5 - 5013	
	Rth <sub>4</sub>	4.203E-02 Ω		_	<del> </del>	
	Rth <sub>5</sub>	2.149E-01 Ω		4	•	
	Rth <sub>6</sub>	6.556E-01 Ω			tthu = Cthu	
	Rth <sub>7</sub>	7.773E-02 Ω	لىر	╮ 닏		
			( F	<b>'</b> / –	<del>_</del>	
			T	´	<u> </u>	
				∐"	ths +Cths	
					•	
				4	<del></del>	
					tthe ‡ Cth6	
				Ų		
				L L		
				F	tth7 🕇 Cth7	
				닌	<b>-</b>	
Part:	BUK7Y4R4-40E					
<i>.</i> .	05/4/2212					
Date:	25/1/2013					
Rth	1.02 K/W	1	ı	† t		
				√ t <sub>en</sub>	וט	