

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7Y113-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	3.33	K/W
	Cth <sub>1</sub>	1.391E-05 F		<b>∱</b> ┪		
	Cth <sub>2</sub>	8.369E-05 F	1		$\neg$	
	Cth <sub>3</sub>	1.007E-04 F			<del></del>	
	Cth <sub>4</sub>	7.010E-04 F			tth1 #Cth1	
	Cth <sub>5</sub>	9.370E-04 F			. T,	
	Cth <sub>6</sub>	4.967E-03 F				
	Cth <sub>7</sub>	7.711E-02 F		Ů₽	tth2 = Cth2	
	Rth₁	6.625E-03 Ω				
	Rth <sub>2</sub>	1.505E-02 Ω				
	Rth <sub>3</sub>	8.856Ε-02 Ω			tth3 🕇 Cth3	
	Rth₄	1.705Ε-01 Ω			<b>-</b>	
	Rth <sub>5</sub>	8.947Ε-01 Ω			<del></del>	
	Rth <sub>6</sub>	1.999Ε+00 Ω			tth4 + Cth4	
	Rth <sub>7</sub>	1.566E-01 Ω	لر	L H	. T	
			( F	•) _		
					the Cths	
				[F	tthe = Cth6	
				년 		
				F	tth7 = Cth7	
Part:	BUK7Y113-100E					
Date:	25/1/2013					
Rth	3.33 K/W	1	l	↓ t <sub>an</sub>	 nb	
				V <del>-</del> -	-	