

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7Y65-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.33	K/W
	Cth <sub>1</sub>	1.993E-05 F		Ŷ <b>ţ</b>		
	Cth <sub>2</sub>	1.264E-04 F	١		$\neg$	
	Cth <sub>3</sub>	1.426E-04 F		4	<del></del>	
	Cth <sub>4</sub>	1.161E-03 F			tth1 #Cth1	
	Cth <sub>5</sub>	1.319E-03 F		Ų	. T	
	Cth <sub>6</sub>	6.312E-03 F				
	Cth <sub>7</sub>	5.338E-02 F		ф	_	
					tth2 = Cth2	
				七	<del></del>	
	Rth <sub>1</sub>	4.496Ε-03 Ω		上	<del>-</del>	
	Rth <sub>2</sub>	9.682E-03 Ω		F	tths 📥 Ctha	
	Rth <sub>3</sub>	6.029E-02 Ω		Ų.	T 55.3	
	Rth <sub>4</sub>	9.643Ε-02 Ω		_	1	
	Rth <sub>5</sub>	5.255E-01 Ω		f f		
	Rth <sub>6</sub>	1.425E+00 Ω			kthu4 == Cthu4	
	Rth <sub>7</sub>	2.066Ε-01 Ω			_•	
			( F	ノ .	<del></del>	
			I		ths +Cths	
				Π.	7 50.5	
					1	
				4	•	
				F	the = Cth6	
				닌	_	
				_	<del>-</del>	
					Hh7 1	
				Π.	tth7 = Cth7	
					┩	
Part:	BUK7Y65-100E					
Date:	25/1/2013					
Rth	2.33 K/W		l			
				√ ten	nb	
				٧		