

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK9637-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	1.56	K/W
	Cth <sub>1</sub>	4.740E-05 F		ф.	4	
	Cth <sub>2</sub>	3.573E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	2.573E-04 F				
	Cth <sub>4</sub>	9.872E-04 F			Rth1 + Cth1	
	Cth <sub>5</sub>	2.798E-03 F				
	Cth <sub>6</sub>	7.463E-03 F				
	Cth <sub>7</sub>	2.715E-01 F			_	
	Cth <sub>8</sub>	3.781E+01 F			Rth2 + Cth2	2
				l		
	Rth <sub>1</sub>	1.715E-03 Ω				
	Rth <sub>2</sub>	3.454E-03 Ω			<u> </u>	
	Rth <sub>3</sub>	3.886E-02 Ω			Rth3 + Cth3	3
	Rth <sub>4</sub>	1.014E-01 Ω				
	Rth <sub>5</sub>	3.814E-01 Ω				
	Rth <sub>6</sub>	8.981E-01 Ω			Rth4 + Cth4	l
	Rth <sub>7</sub>	1.681E-01 Ω				•
	Rth <sub>8</sub>	5.350E-03 Ω		(P)		
				$\mathcal{L}$	九二 上	
					Rth5 + Cth	5
					T	
					Rth6 + Cth6	:
					J . T	•
					┧_	
					Rth7 = Cth7	7
Part:	BUK9637-100E					
art.	DOI:0007-100E				Rth8 + Cth8	ì.
Date:	11/4/2013				丿 【 】	,
Model Rth	1.60 K/W					
					t <sub>amb</sub>	
				<b>V</b>	001aal768	3