

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK9Y11-80E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.77	K/W
	Cth₁	6.162E-05 F		Ŷ <b>ţ</b>		
	Cth <sub>2</sub>	4.070E-04 F	1	1 1	$\neg$	
	Cth <sub>3</sub>	4.396E-04 F		4	<del></del>	
	Cth <sub>4</sub>	3.634E-03 F			th1 +Cth1	
	Cth <sub>5</sub>	6.243E-03 F		Ų		
	Cth <sub>6</sub>	1.557E-02 F				
	Cth <sub>7</sub>	1.939E-01 F		Π̈́Ε	th2 = Cth2	
				닌		
	Rth <sub>1</sub>	1.359E-03 Ω		_	<del>-</del>	
	Rth <sub>2</sub>	2.443Ε-03 Ω		l le	th3 📥 Cth3	
	Rth <sub>3</sub>	1.954E-02 Ω		Π.		
	Rth <sub>4</sub>	2.996Ε-02 Ω			1	
	Rth <sub>5</sub>	1.383E-01 Ω		4	•	
	Rth <sub>6</sub>	5.185E-01 Ω			thu = Cthu	
	Rth <sub>7</sub>	6.149E-02 Ω	ہے ۔	느 노		
			( F	<b>'</b> / -	<del>-</del>	
			Ī		ths +Cths	
				닌		
				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	the = Cth6	
				닌	•	
				ſſ.	**************************************	
				Ĺμ	Cth7	
Part:	BUK9Y11-80E					
Date:	25/1/2013					
Rth	0.77 K/W		l	↓ t <sub>arr</sub>	 n <b>b</b>	
				v <b>-</b> -		