

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK9Y19-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-		0.90	K/W
	Cth <sub>1</sub>	5.189E-05 F		Ŷ <b>ţ</b>		
	Cth <sub>2</sub>	3.399E-04 F	1	1 7	$\neg$	
	Cth <sub>3</sub>	3.893E-04 F			<del></del>	
	Cth <sub>4</sub>	2.947E-03 F			th1 ‡Cth1	
	Cth <sub>5</sub>	4.944E-03 F		ļ Ļ	T 40.1	
	Cth <sub>6</sub>	1.408E-02 F			1	
	Cth <sub>7</sub>	1.666E-01 F		l f		
				F	th2 = Cth2	
				ᆫ	<b>-</b>	
	Rth <sub>1</sub>	1.612E-03 Ω		_	<del>-</del>	
	Rth <sub>2</sub>	3.276E-03 Ω			ting 📥 Ctha	
	Rth <sub>3</sub>	2.283E-02 Ω				
	Rth <sub>4</sub>	3.326E-02 Ω		_	<b>┿</b>	
	Rth <sub>5</sub>	1.806E-01 Ω			•	
	Rth <sub>6</sub>	5.956E-01 Ω			ttr4 = Cth4	
	Rth <sub>7</sub>	6.723E-02 Ω	لے	느 보		
			( F	<b>'</b> ) _		
				一 巾.	<u> </u>	
					ths = Cth5	
				_ ~	+	
					<del>-</del>	
					the ‡Cth6	
				닏		
				一		
					th7 = Cth7	
				'└	<b>-</b>	
<b>.</b>	DI II/0)/12 1225					
Part:	BUK9Y19-100E					
Doto:	47/4/0040					
Date: Model Rth	17/4/2013 0.90 K/W			_		
WIUUEI KIII	0.90 K/W		'	↓ t <sub>arr</sub>	 sh	
				<b>☆</b> -an	10	