

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK7K13-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
Rth(j-mb)	thermal resistance from junction to mounting base		-	-	2.36	K/W
	Cth <sub>1</sub>	3.575E-05 F		$\triangle$		
	Cth <sub>2</sub>	1.981E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	2.706E-04 F				
	Cth <sub>4</sub>	1.210E-03 F			Rth1 + Ctl	
	Cth <sub>5</sub>	4.930E-03 F			┙ <b>``</b> '''` 〒 └''	וי
	Cth <sub>6</sub>	5.951E-03 F				
	Cth <sub>7</sub>	1.357E-01 F		Г	<u>←</u>	
	Cth <sub>8</sub>	6.011E+01 F			Rth <sub>2</sub> + Cth	12
	Rth <sub>1</sub>	2.533E-03 Ω				
	Rth <sub>2</sub>	5.928E-03 Ω		Г	┧ ⊥	
	Rth <sub>3</sub>	3.577E-02 Ω			Rth3 = Cth	າვ
	Rth <sub>4</sub>	7.656E-02 Ω			<del></del>	
	Rth <sub>5</sub>	2.422E-01 Ω			<del>, •</del> Τ	
	Rth <sub>6</sub>	1.553E+00 Ω			Rth4 + Cth	14
	Rth <sub>7</sub>	4.394E-01 Ω		ا ا	J . T	•
	Rth <sub>8</sub>	3.829E-03 Ω	(	(P)		
				$\bigvee$ $\bigcap$	<u> </u>	
					Rth <sub>5</sub> = Cth	15
				'		
					Rth <sub>6</sub> + Cth	ne
				L	٦ '¸ ٣	.0
				Г	<u>ጎ</u>	
					Rth7 = Cth	17
Part:	BUK7K13-60E					
uit.	DOM NO-OUL				Rth8 + Cth	าย
Date:	20/3/2013				ᅱ <sup>~</sup>	.0
Rth	2.36 K/W					
					t <sub>amb</sub>	
				V	001aal70	68