

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK9K52-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	4.68	K/W
	Cth <sub>1</sub>	1.267E-05 F		<b>夕</b>	4.	
	Cth <sub>2</sub>	6.746E-05 F			<u>tj</u>	
	Cth <sub>3</sub>	9.693E-05 F				
	Cth <sub>4</sub>	4.239E-04 F			Rth <sub>1</sub> + Ctl	h.4
	Cth <sub>5</sub>	1.921E-03 F			┙ <b>┈┈╴┬</b> ╺┈	וין
	Cth <sub>6</sub>	2.081E-03 F				
	Cth <sub>7</sub>	7.455E-02 F			<u> </u>	
	Cth <sub>8</sub>	4.773E+00 F			Rth <sub>2</sub> + Ctl	h2
	Rth <sub>1</sub>	7.020E-03 Ω				
	Rth <sub>2</sub>	1.675E-02 Ω			┧	
	Rth <sub>3</sub>	1.023E-01 Ω			Rth3 + Ctl	nვ
	Rth <sub>4</sub>	2.229E-01 Ω		<u> </u>	<b></b>	
	Rth <sub>5</sub>	6.814E-01 Ω				
	Rth <sub>6</sub>	3.349E+00 Ω			Rth4 + Cti	ha
	Rth <sub>7</sub>	2.648Ε-01 Ω			丿	
	Rth <sub>8</sub>	3.995E-02 Ω	(	( P )		
				$\bigvee$ $_{I}$	<u> ነ</u>	
					Rth <sub>5</sub> = Ctl	h5
				'	┖┿╜	
					Rth <sub>6</sub> + Ctl	he
				l l		O
					<del>-</del>	
					Rth7 + Cti	h7
				'	ᆫ	
Б. /	DI IVOVEO COE					
Part:	BUK9K52-60E				Rth8 + Ctl	ho
Date:	20/3/2013				J T. C.	סי
Rth	4.68 K/W					
					t <sub>amb</sub>	
				abla	001aal7	68
					oo raarr	