

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK9K6R8-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.36	K/W
	Cth <sub>1</sub>	3.575E-05 F		<b>夕</b>	4.	
	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			Rth <sub>1</sub> + Cth <sub>1</sub>	
	Cth <sub>5</sub>	4.930E-03 F			丿\```'\ <b>一</b> `\'''	
	Cth <sub>6</sub>	5.951E-03 F				
	Cth <sub>7</sub>	1.357E-01 F		l r	<b>←</b>	
	Cth <sub>8</sub>	6.011E+01 F			Rth <sub>2</sub> + Cth <sub>2</sub>	:
	Rth <sub>1</sub>	2.533E-03 Ω				
	Rth <sub>2</sub>	5.928E-03 Ω		l [	┧ │	
	Rth <sub>3</sub>	3.577E-02 Ω			Rth3 + Cth3	,
	Rth <sub>4</sub>	7.656E-02 Ω			┖┿╜	
	Rth <sub>5</sub>	2.422E-01 Ω				
	Rth <sub>6</sub>	1.553E+00 Ω			Rth4 + Cth4	
	Rth <sub>7</sub>	4.394E-01 Ω			J T 50,114	•
	Rth <sub>8</sub>	3.829E-03 Ω	(	(P)		
				$\bigvee$ $_{I}$	<u> ነ</u>	
					Rth5 + Cth5	,
					Rth <sub>6</sub> $\stackrel{\bot}{=}$ Cth <sub>6</sub>	
						1
				l r	5 一	
					Rth7 + Cth7	,
					┸┯╜	
Part:	BUK9K6R8-40E					
uit.	DONORONO-40L				Rth8 + Cth8	
Date:	20/3/2013				المالية <del>  حسادة المالية المال</del>	1
Rth	2.36 K/W					
				Ţ	t <sub>amb</sub>	
				<b>V</b>	001aal768	