

## Thermal RC network (Foster)

## **SPICE thermal model**

## **BUK7E1R8-40E**

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.43	K/W
	Cth <sub>1</sub>	2.727E-04 F		<b>夕</b>	4.	
	Cth <sub>2</sub>	1.961E-03 F			<u>tj</u>	
	Cth <sub>3</sub>	1.472E-03 F				
	Cth <sub>4</sub>	5.515E-03 F			Rth <sub>1</sub> + Cth	
	Cth <sub>5</sub>	1.889E-02 F			┛ <b>``````                               </b>	1
	Cth <sub>6</sub>	3.370E-02 F				
	Cth <sub>7</sub>	7.373E-01 F			<del></del>	
	Cth <sub>8</sub>	2.812E+02 F			Rth2 + Cth	2
	Rth <sub>1</sub>	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω			ጎ	
	Rth <sub>3</sub>	7.505E-03 Ω			Rth3 + Cth	3
	Rth <sub>4</sub>	1.817E-02 Ω			┖┿╜	
	Rth <sub>5</sub>	6.176E-02 Ω				
	Rth <sub>6</sub>	2.678E-01 Ω			Rth4 + Cth	A
	Rth <sub>7</sub>	7.287E-02 Ω			J T O	4
	Rth <sub>8</sub>	6.467E-04 Ω	(	(P)		
				$\bigvee$ ,	5	
					Rth5 + Cth	5
				'	ᆫ	
					Rth <sub>6</sub> + Cth	_
					JRth <sub>6</sub>	6
					ς 十	
					Rth7 + Cth	7
				l l		-
Part:	BUK7E1R8-40E				<b>九</b> 上	
					Rth8 + Cth	8
Date:	11/4/2013				┖┿┦	
Rth	0.43 K/W			<u> </u>		
				$\downarrow$	t <sub>amb</sub>	_
					001aal76	8