

## Thermal RC network (Foster)

## SPICE thermal model

## BUK768R1-40F

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	1.56	K/W
	Cth <sub>1</sub>	4.740E-05 F		<b>A</b>	4	
	Cth <sub>2</sub>	3.573E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	2.573E-04 F				
	Cth <sub>4</sub>	9.872E-04 F			$\downarrow$	
	Cth <sub>5</sub>	2.798E-03 F			JRth1 <b>†</b> Cth	1
	Cth <sub>6</sub>	7.463E-03 F				
	Cth <sub>7</sub>	2.715E-01 F			<b>←</b>	
	Cth <sub>8</sub>	3.781E+01 F			Rth <sub>2</sub> + Cth	2
	Rth <sub>1</sub>	1.715E-03 Ω				
	Rth <sub>2</sub>	3.454E-03 Ω			<u> </u>	
	Rth <sub>3</sub>	3.886E-02 Ω			JRth3 <b>†</b> Cth	3
	Rth <sub>4</sub>	1.014E-01 Ω				
	Rth <sub>5</sub>	3.814E-01 Ω			<del></del>	
	Rth <sub>6</sub>	8.981E-01 Ω			Rth4 + Cth	4
	Rth <sub>7</sub>	1.681E-01 Ω				-
	Rth <sub>8</sub>	5.350E-03 Ω	(	(P)		
				$\mathcal{T}$	↑ <sub>₽#-</sub>	
					」Rth5 <b>十</b> Cth	5
					<u>-</u>	
					Rth6 + Cth	6
				L		
					<sup>↑</sup> ը,,_ ⊥	
					」Rth7 <b>十</b> Cth	7
art:	BUK768R1-40E			r	<del></del>	
					Rth8 + Cth	8
ate:	11/4/2013					
Nodel Rth	1.60 K/W					
				$\stackrel{\wedge}{T}$	t <sub>amb</sub>	
				•	001aal76	8