

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK7E5R2-100E

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>A</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				1
	Cth <sub>6</sub>	3.370E-02 F				
	Cth <sub>7</sub>	7.373E-01 F			<b></b>	
	Cth <sub>8</sub>	2.812E+02 F			Rth <sub>2</sub> + Cth	2
	Rth₁	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω		1 1	<u> ነ</u>	
	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>	2.678Ε-01 Ω			Rth4 + Cth	<b>A</b>
	Rth <sub>7</sub>	7.287E-02 Ω			J T	<del>-</del>
	Rth <sub>8</sub>	6.467E-04 Ω	(	( P )		
				$\bigvee$ $_{I}$	<b>「</b>	
					Rth5 + Cth	5
					┧゛丄	
					Rth <sub>6</sub> = Cth	6
				<u> </u>		
				,		
					Rth7 + Cth	7
				l l	<u></u>	•
Part:	BUK7E5R2-100E				┧ ⊥	
					Rth8 + Cth	8
Date:	11/4/2013			'	<b>└</b>	
Rth	0.43 K/W			<u> </u>	 • .	
				$\Diamond$	t <sub>amb</sub>	•
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