

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK7M19-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.75	K/W
	Cth <sub>1</sub>	1.598E-05 F		<b>A</b>	4.	
	Cth <sub>2</sub>	1.754E-04 F			<u>"\"</u>	
	Cth <sub>3</sub>	1.300E-04 F				
	Cth <sub>4</sub>	8.034E-03 F			Rth <sub>1</sub> + Cth <sub>1</sub>	•
	Cth <sub>5</sub>	8.275E-04 F				
	Cth <sub>6</sub>	6.710E-03 F				
	Cth <sub>7</sub>	7.777E-02 F		r	<del></del>	
	Cth <sub>8</sub>	8.620E+01 F			Rth2 + Cth2	2
					┸┻┛	-
	Rth <sub>1</sub>	3.930E-03 Ω				
	Rth <sub>2</sub>	6.913E-03 Ω		l [	┧	
	Rth <sub>3</sub>	4.368E-02 Ω			Rth3 = Cth	3
	Rth <sub>4</sub>	1.751E-02 Ω		'	┖┯╜	
	Rth₅	1.045E+00 Ω				
	Rth <sub>6</sub>	1.260E+00 Ω			Rth4 + Cth	
	Rth <sub>7</sub>	3.643E-01 Ω			J — 501/2	•
	Rth <sub>8</sub>	3.262E-03 Ω	(	(P)		
				$\bigvee$ ,	5	
					Rth5 = Cthe	5
				L	┸ <b>╾</b> ┛	
					JRth6	3
					Rth7 + Cth7	7
				l l		
Part:	BUK7M19-60E				↑ ⊥	
					Rth8 = Cth	3
Date:	3/3/2016					
Model Rth	2.75 K/W	I		<u> </u>		
				$\dot{\uparrow}$	t <sub>amb</sub>	
					001aal768	3