

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7M15-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.44	K/W
	Cth <sub>1</sub>	2.010E-05 F		$\triangle$		
	Cth <sub>2</sub>	1.708E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	1.888E-04 F				
	Cth <sub>4</sub>	7.066E-03 F			↑ <sub>B#b</sub> , ⊥	
	Cth <sub>5</sub>	1.019E-03 F			JRth₁ ‡Cth₁	l
	Cth <sub>6</sub>	9.129E-03 F				
	Cth <sub>7</sub>	9.134E-02 F			<del>-</del>	
	Cth <sub>8</sub>	2.243E+02 F			Rth2 + Cth2	
						-
	Rth <sub>1</sub>	4.007E-03 Ω				
	Rth <sub>2</sub>	6.986E-03 Ω		l r	ካ ·	
	Rth <sub>3</sub>	4.049E-02 Ω			Rth3 + Cth	3
	Rth <sub>4</sub>	1.746Ε-02 Ω			┖╋┦	
	Rth <sub>5</sub>	1.084E+00 Ω				
	Rth <sub>6</sub>	1.072E+00 Ω			Rth4 + Cth	
	Rth <sub>7</sub>	2.058Ε-01 Ω			J	•
	Rth <sub>8</sub>	4.457E-03 Ω		( P )		
				$\bigvee$	5	
					Rth5 + Cthe	5
				'	┸ <b>┯</b> ┛	
					Rth <sub>6</sub> + Cth <sub>6</sub>	_
					JRth6	Ď
					5	
					Rth7 + Cth7	7
				L		
Part:	BUK7M15-60E			[	<u> </u>	
					JRth8 <b>‡</b> Cth8	3
Date:	3/3/2016				_ <del>-</del>	
Model Rth	2.44 K/W	1		<u> </u>	 • .	
				$\dot{\nabla}$	t <sub>amb</sub>	•
					001aal768	3