

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK7M67-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	4.80	K/W
	Cth <sub>1</sub>	6.427E-06 F		$\triangle$	4	
	Cth <sub>2</sub>	7.431E-05 F			<u>tj</u>	
	Cth <sub>3</sub>	4.432E-05 F				
	Cth <sub>4</sub>	1.193E-03 F				_
	Cth <sub>5</sub>	3.891E-04 F			JRth₁ ‡Cth	1
	Cth <sub>6</sub>	4.302E-03 F			<u> </u>	
	Cth <sub>7</sub>	2.916E-03 F			<u>_</u>	
	Cth <sub>8</sub>	1.758E+01 F			Rth2 + Cth	2
				l		
	Rth <sub>1</sub>	6.908E-03 Ω				
	Rth <sub>2</sub>	1.926Ε-02 Ω			九二 上	
	Rth <sub>3</sub>	1.262E-01 Ω			Rth3 = Cth	3
	Rth <sub>4</sub>	9.094Ε-02 Ω			<b>└</b>	
	Rth <sub>5</sub>	1.997E+00 Ω				
	Rth <sub>6</sub>	2.197E+00 Ω			Rth4 + Cth	1
	Rth <sub>7</sub>	3.449E-01 Ω			丿 . 丁 · · · · · · · · · · · · · · · · · ·	•
	Rth <sub>8</sub>	1.685E-02 Ω		( P )		
				$\bigvee$	<u>ጎ</u>	
					Rth5 + Cth	5
				'	┖┿╜	
					Rth <sub>6</sub> + Cth <sub>6</sub>	,
					J T Sun	)
					5	
					Rth7 = Cth	7
					┖╇╜	
Part:	BUK7M67-60E					
rail.	DUN/IVIO/-OUE				Rth8 + Cth	2
Date:	3/3/2016					)
Model Rth	4.80 K/W					
				Ţ	t <sub>amb</sub>	
				<b>V</b>	001aal76	3
					23,22,70	_