

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7M21-40E

001aal768

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	3.40	K/W
	Cth <sub>1</sub>	1.254E-05 F		<b>A</b>	4	
	Cth <sub>2</sub>	1.257E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	7.908E-05 F			$\overline{}$	
	Cth <sub>4</sub>	5.371E-02 F			Rth <sub>1</sub> Lctr	
	Cth <sub>5</sub>	4.805E-04 F			」Rth1 <b>=</b> Cth	11
	Cth <sub>6</sub>	1.086E-02 F				
	Cth <sub>7</sub>	2.098E-02 F			ς • Τ	
	Cth <sub>8</sub>	3.685E+03 F			Rth <sub>2</sub> + Ctr	12
				"	┸┯┛	
	Rth <sub>1</sub>	6.283E-03 Ω		_		
	Rth <sub>2</sub>	1.024E-02 Ω			Rth3 + Ctr	
	Rth <sub>3</sub>	7.854E-02 Ω			丿'``'''3 <b>干</b> '''	13
	Rth <sub>4</sub>	2.335E-03 Ω				
	Rth <sub>5</sub>	2.418Ε+00 Ω			5	
	Rth <sub>6</sub>	8.346E-01 Ω			Rth4 = Ctr	14
	Rth <sub>7</sub>	4.766Ε-02 Ω				
	Rth <sub>8</sub>	2.714E-04 Ω		( P )		
				$\int$	Rth5 + Cth	15
				_   L		
				ſ	$\bigcup_{\mathbf{B}_{\mathbf{B}_{\mathbf{A}}}} \perp$	
					」Rth6 ‡Cth	16
					5	
					Rth7 + Ctr	17
					<b>لـــا</b>	
Part:	BUK7M21-40E				Rth8 + Ctr	
Date:	3/3/2016				丿``` <b>'''゜</b>	אי
Model Rth	3.40 K/W					
	5.40			<del>_</del>	t <sub>amb</sub>	