

## Thermal RC network (Foster)

## **SPICE thermal model**

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.36	K/W
	Cth <sub>1</sub>	3.575E-05 F		Ą	<b>t</b> .	
	Cth <sub>2</sub>	1.981E-04 F		_ <b> </b>	tj	
	Cth <sub>3</sub>	2.706E-04 F			<b>_</b>	
	Cth <sub>4</sub>	1.210E-03 F			Rth1 Cth	•
	Cth <sub>5</sub>	4.930E-03 F		l l		I
	Cth <sub>6</sub>	5.951E-03 F				
	Cth <sub>7</sub>	1.357E-01 F		г	$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix}$	
	Cth <sub>8</sub>	6.011E+01 F			$\operatorname{Rth}_2 = \operatorname{Cth}_2$	2
	Rth₁	2.533E-03 Ω				
	Rth <sub>2</sub>	5.928E-03 Ω		Г	<b>h i</b>	
	Rth <sub>3</sub>	3.577E-02 Ω			Rth3 + Cth;	3
	Rth <sub>4</sub>	7.656E-02 Ω			┎╧╺╋╾╌┨	
	Rth₅	2.422E-01 Ω			<b>\</b>	
	Rth <sub>6</sub>	1.553E+00 Ω				4
	Rth <sub>7</sub>	4.394E-01 Ω				+
	Rth <sub>8</sub>	3.829Ε-03 Ω	(	(P)		
				$\int$		5
				L	╧╺	
				Г		
						3
						7
Part:	BUK7K17-80E					3
Date:	15/6/2017				┖᠊᠊ᡨ᠊᠊᠋	
Nodel Rth	2.36 K/W			└ <b>∳</b>	] •	
				$\checkmark$	t <sub>amb</sub>	_
					001aal768	5

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