

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK7E2R6-60E

Parameter	Conditions	Min	Тур	Max	Unit
thermal resistance from junction to mounting base		-	-	0.43	K/W
Cth <sub>1</sub>	2.727E-04 F		<b>夕</b>	4.	
Cth <sub>2</sub>	1.961E-03 F			<u> </u>	
Cth <sub>3</sub>	1.472E-03 F				
Cth <sub>4</sub>	5.515E-03 F			$\bigcap_{Rth4} \perp_{Cth}$	
Cth <sub>5</sub>	1.889E-02 F			┛ <b>``````                               </b>	1
Cth <sub>6</sub>	3.370E-02 F				
Cth <sub>7</sub>	7.373E-01 F		l r	<del></del>	
Cth <sub>8</sub>	2.812E+02 F			Rth2 + Cth	2
Rth <sub>1</sub>	3.269E-04 Ω				
Rth <sub>2</sub>	6.428E-04 Ω		l r	<u>ጎ</u>	
Rth <sub>3</sub>	7.505E-03 Ω			Rth3 = Cth	3
Rth <sub>4</sub>	1.817E-02 Ω		'	┖┿╜	
Rth₅	6.176E-02 Ω		_		
Rth <sub>6</sub>	2.678E-01 Ω			$ _{\text{Rth}_4} \perp _{\text{Cth}}$	<b>A</b>
Rth <sub>7</sub>	7.287E-02 Ω			J <b>4</b> T O	4
Rth <sub>8</sub>	6.467E-04 Ω	(	(P)		
			$\bigvee$ ,	5	
				Rth5 = Cth	5
			'	┸╇┛	
				$\int_{Rthe} \perp_{Cth}$	_
				J'''''' <b>T</b> ''''	б
			l r	5	
				Rth7 = Cth	7
			l l	ᆫ	
<b></b> .					
BUK7E2R6-60E					_
44/4/0040					8
U.43 K/W					
			$\Diamond$		0
				บบาลลา/ ช	0
	thermal resistance from junction to mounting base  Cth <sub>1</sub> Cth <sub>2</sub> Cth <sub>3</sub> Cth <sub>4</sub> Cth <sub>5</sub> Cth <sub>6</sub> Cth <sub>7</sub> Cth <sub>8</sub> Rth <sub>1</sub> Rth <sub>2</sub> Rth <sub>3</sub> Rth <sub>4</sub> Rth <sub>5</sub> Rth <sub>6</sub> Rth <sub>7</sub>	thermal resistance from junction to mounting base  Cth <sub>1</sub> 2.727E-04 F Cth <sub>2</sub> 1.961E-03 F Cth <sub>3</sub> 1.472E-03 F Cth <sub>4</sub> 5.515E-03 F Cth <sub>5</sub> 1.889E-02 F Cth <sub>6</sub> 3.370E-02 F Cth <sub>7</sub> 7.373E-01 F Cth <sub>8</sub> 2.812E+02 F  Rth <sub>1</sub> 3.269E-04 Ω Rth <sub>2</sub> 6.428E-04 Ω Rth <sub>3</sub> 7.505E-03 Ω Rth <sub>4</sub> 1.817E-02 Ω Rth <sub>5</sub> 6.176E-02 Ω Rth <sub>6</sub> 2.678E-01 Ω Rth <sub>7</sub> 7.287E-02 Ω Rth <sub>8</sub> 6.467E-04 Ω	thermal resistance from junction to mounting base  Cth <sub>1</sub> 2.727E-04 F Cth <sub>2</sub> 1.961E-03 F Cth <sub>3</sub> 1.472E-03 F Cth <sub>4</sub> 5.515E-03 F Cth <sub>6</sub> 1.889E-02 F Cth <sub>6</sub> 3.370E-02 F Cth <sub>7</sub> 7.373E-01 F Cth <sub>8</sub> 2.812E+02 F  Rth <sub>1</sub> 3.269E-04 Ω Rth <sub>2</sub> 6.428E-04 Ω Rth <sub>3</sub> 7.505E-03 Ω Rth <sub>4</sub> 1.817E-02 Ω Rth <sub>6</sub> 6.176E-02 Ω Rth <sub>6</sub> 2.678E-01 Ω Rth <sub>7</sub> 7.287E-02 Ω Rth <sub>8</sub> 6.467E-04 Ω	thermal resistance from junction to mounting base  Cth <sub>1</sub> 2.727E-04 F Cth <sub>2</sub> 1.961E-03 F Cth <sub>3</sub> 1.472E-03 F Cth <sub>4</sub> 5.515E-03 F Cth <sub>5</sub> 1.889E-02 F Cth <sub>6</sub> 3.370E-02 F Cth <sub>7</sub> 7.373E-01 F Cth <sub>8</sub> 2.812E+02 F  Rth <sub>1</sub> 3.269E-04 Ω Rth <sub>2</sub> 6.428E-04 Ω Rth <sub>3</sub> 7.505E-03 Ω Rth <sub>4</sub> 1.817E-02 Ω Rth <sub>6</sub> 6.176E-02 Ω Rth <sub>6</sub> 6.467E-04 Ω Rth <sub>7</sub> 7.287E-02 Ω Rth <sub>8</sub> 6.467E-04 Ω  P  BUK7E2R6-60E  11/4/2013 0.43 KW	Cith   2.727E-04 F   Cith   1.961E-03 F   Cith   1.515E-03 F   Cith   1.589E-02 F   Cith   2.812E+02 F   Cith   2.812E+02 F   Cith   2.812E+02 F   Cith   6.428E-04 Ω   Rith   2.678E-01 Ω   Rith   2.678E-01 Ω   Rith   2.678E-01 Ω   Rith   6.467E-04 Ω   Rith