

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK9515-60E

001aal768

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	1.56	K/W
	Cth <sub>1</sub>	4.740E-05 F		<b>A</b>	4	
	Cth <sub>2</sub>	3.573E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	2.573E-04 F				
	Cth <sub>4</sub>	9.872E-04 F			Rth <sub>1</sub> + Cth <sub>1</sub>	
	Cth <sub>5</sub>	2.798E-03 F			J'''''' <b>T</b> ''''1	
	Cth <sub>6</sub>	7.463E-03 F				
	Cth <sub>7</sub>	2.715E-01 F			<b></b>	
	Cth <sub>8</sub>	3.781E+01 F			$\int Rth_2 + Cth_2$	
	Rth₁	1.715E-03 Ω				
	Rth <sub>2</sub>	3.454E-03 Ω		Г	5	
	Rth <sub>3</sub>	3.886E-02 Ω			Rth3 = Cth3	
	Rth₄	1.014E-01 Ω		_   L	<b>ل</b>	
	Rth <sub>5</sub>	3.814E-01 Ω				
	Rth <sub>6</sub>	8.981E-01 Ω			Rth <sub>4</sub> + Cth <sub>4</sub>	
	Rth <sub>7</sub>	1.681E-01 Ω				
	Rth <sub>8</sub>	5.350E-03 Ω		( P )		
				$\overline{}$	5	
					Rth5 = Cth5	
					Rth <sub>6</sub> + Cth <sub>6</sub>	
					JRth6	
				Г	5	
					Rth7 + Cth7	
				l l	<b>~</b>	
Part:	BUK9515-60E			[ [	``	
					Rth8 + Cth8	
Date:	17/4/2013	,				
Model Rth	1.60 K/W	I		<u> </u>	 • .	
				$\Diamond$	t <sub>amb</sub>	