

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7K12-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.21	K/W
	Cth₁	3.976E-05 F		Ŷ <b>ţ</b>		
	Cth <sub>2</sub>	2.164E-04 F			$\neg$	
	Cth <sub>3</sub>	3.017E-04 F			<del></del>	
	Cth <sub>4</sub>	1.378E-03 F			tth1 #Cth1	
	Cth <sub>5</sub>	5.688E-03 F				
	Cth <sub>6</sub>	6.507E-03 F				
	Cth <sub>7</sub>	1.055E-01 F		一	-	
				F	the #Cthe	
				ᆫ	┩	
	Rth <sub>1</sub>	2.295E-03 Ω			<del>-</del>	
	Rth <sub>2</sub>	5.374E-03 Ω			th3 📥 Cth3	
	Rth <sub>3</sub>	3.333E-02 Ω		ᅵ	,	
	Rth <sub>4</sub>	6.878E-02 Ω				
	Rth <sub>5</sub>	2.139E-01 Ω		丨		
	Rth <sub>6</sub>	1.358E+00 Ω			th4 = Cth4	
	Rth <sub>7</sub>	5.236E-01 Ω		) <sup>L</sup>	<b>-</b>	
			(	フ <sub>ケ</sub>	<del></del>	
					ths ±Cth5	
				丨	_	
				F	the ‡Cth6	
				┖	<b>-</b>	
					<del></del>	
					th7 📥 Cth7	
				l h.		
					1	
Part:	BUK7K12-60E					
Date:	20/3/2013					
Rth	2.21 K/V	V		<del>-</del>		
					nb	