

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK763R1-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.51	K/W
	Cth <sub>1</sub>	2.085E-04 F		<b>A</b>	4	
	Cth <sub>2</sub>	1.582E-03 F			<u>tj</u>	
	Cth <sub>3</sub>	1.124E-03 F				
	Cth <sub>4</sub>	4.066E-03 F			Rth <sub>1</sub> + Cth <sub>1</sub>	
	Cth <sub>5</sub>	1.379E-02 F			J'``''\ <b>T</b> ''''	
	Cth <sub>6</sub>	2.696E-02 F				
	Cth <sub>7</sub>	6.892E-01 F		r	5	
	Cth <sub>8</sub>	1.806E+02 F			Rth2 + Cth2	2
	Rth₁	4.200E-04 Ω				
	Rth <sub>2</sub>	8.136E-04 Ω		l r	<b>占</b>	
	Rth <sub>3</sub>	9.132E-03 Ω			Rth3 = Cth	3
	Rth <sub>4</sub>	2.352E-02 Ω		'	┸┿╜	
	Rth <sub>5</sub>	8.209E-02 Ω				
	Rth <sub>6</sub>	3.277E-01 Ω			Rth4 + Cth	1
	Rth <sub>7</sub>	7.932E-02 Ω				•
	Rth <sub>8</sub>	8.874E-04 Ω	(	(P)		
				$\bigvee$ ,	5	
					Rth5 + Cthe	5
				'	┸ <b>┯</b> ┛	
					Rth <sub>6</sub> + Cth <sub>6</sub>	•
				l l		)
				r	5	
					Rth7 + Cth7	•
					┸╇╜	
Part:	BUK763R1-60E			_		
- ai l.	DUN/OOK I-OUE				Rth8 + Cth8	,
Date:	11/4/2013					,
Model Rth	0.52 K/W					
					t <sub>amb</sub>	
				V	001aal768	_