

## Thermal RC network (Foster)

## **SPICE thermal model**

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	0.43	K/W
	Cth <sub>1</sub>	2.727E-04 F		Ŷ	tj	
	Cth <sub>2</sub>	1.961E-03 F		<b>\</b>	<u>,</u>	
	Cth <sub>3</sub>	1.472E-03 F			┎─◆──┐	
	Cth <sub>4</sub>	5.515E-03 F				
	Cth <sub>5</sub>	1.889E-02 F		L		
	Cth <sub>6</sub>	3.370E-02 F				
	Cth <sub>7</sub>	7.373E-01 F		Г	5	
	Cth <sub>8</sub>	2.812E+02 F			$\operatorname{Rth}_2 = \operatorname{Cth}_2$	2
	Rth₁	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω		Г	$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix}$	
	Rth <sub>3</sub>	7.505E-03 Ω			Rth3 🛨 Cth3	5
	Rth <sub>4</sub>	1.817E-02 Ω		L L	ᡗ᠋	
	Rth₅	6.176E-02 Ω			<b>_</b>	
	Rth <sub>6</sub>	2.678E-01 Ω			Rth4 📥 Cth4	1
	Rth <sub>7</sub>	7.287E-02 Ω				•
	Rth <sub>8</sub>	6.467E-04 Ω	(	(Р)		
				$\checkmark$ ,	$\neg \neg \neg$	
					Rth5 📥 Cthe	;
				L	╧╼	
						5
				Г		
					Rth7 🚔 Cth7	,
				L	ᢆ∠	
					<b>_</b>	
Part:	BUK751R6-30E					
loto.	47/4/0040				$\int Rth 8 \stackrel{\bullet}{=} Cth 8$	5
Date:	17/4/2013 0.43 K/W				└ <b>─</b> ╋──┘	
Iodel Rth	0.43 K/W			· · · · •	 tb	
				$\triangleleft$	t <sub>amb</sub> 001aal768	2
					001aa1100	,

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