

## Thermal RC network (Foster)

## SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.43	K/W
	Cth <sub>1</sub>	2.727E-04 F		Ą		
	Cth <sub>2</sub>	1.961E-03 F		<b>_</b>	tj	
	Cth <sub>3</sub>	1.472E-03 F				
	Cth <sub>4</sub>	5.515E-03 F			$Rth_1 = Cth_1$	
	Cth <sub>5</sub>	1.889E-02 F				
	Cth <sub>6</sub>	3.370E-02 F				
	Cth <sub>7</sub>	7.373E-01 F		- Г	<b>└ •</b> _ ]	
	Cth <sub>8</sub>	2.812E+02 F			$\int Rth_2 \stackrel{\bullet}{=} Cth_2$	
	Rth <sub>1</sub>	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω		ſ	$\{ \neg \bullet \neg \uparrow $	
	Rth <sub>3</sub>	7.505Ε-03 Ω			Rth3 📥 Cth3	
	Rth <sub>4</sub>	1.817E-02 Ω		L	╧╺	
	Rth₅	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	(	(P)		
					$\int $	
					Rth5 🛨 Cth5	5
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						•
				L		
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					Rth7 Cth7	•
					┎╧╺╋╾╌┤	
Part:	BUK9E6R1-100E			_	<u>с</u> +	
Date:	11/4/2013					
Rth	0.43 K/W			<b>_</b>		
				$\downarrow$	t <sub>amb</sub>	
				v	001aal768	;

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