

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK754R7-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	0.64	K/W
	Cth <sub>1</sub>	1.572E-04 F		Ą		
	Cth <sub>2</sub>	1.124E-03 F			<u>tj</u>	
	Cth <sub>3</sub>	8.462E-04 F				
	Cth <sub>4</sub>	3.272E-03 F				
	Cth <sub>5</sub>	1.019E-02 F			JRth₁ ‡Cth	11
	Cth <sub>6</sub>	2.118E-02 F				
	Cth <sub>7</sub>	5.698E-01 F			ς • Τ	
	Cth <sub>8</sub>	1.813E+02 F			JRth2	2
	Rth <sub>1</sub>	5.654E-04 Ω				
	Rth <sub>2</sub>	1.114E-03 Ω		Г	5	
	Rth <sub>3</sub>	1.315E-02 Ω			Rth3 + Cth	3
	Rth <sub>4</sub>	3.159E-02 Ω			┖┿╌┤	
	Rth <sub>5</sub>	1.138E-01 Ω		_		
	Rth <sub>6</sub>	3.999E-01 Ω			Rth4 + Cth	14
	Rth <sub>7</sub>	9.381E-02 Ω			J <b>T 0</b>	4
	Rth <sub>8</sub>	1.005E-03 Ω	(	(P)		
			·	$\bigvee$ ,	5	
					Rth5 + Cth	5
				l r	5	
					Rth6 = Cth	6
					ᆫᆗ	
					Rth7 + Cth	
					┙ <b>```''/ 〒</b> ╚ᠮᡢ	17
					<b>—</b>	
Part:	BUK754R7-60E				<b>←</b>	
					Rth8 = Cth	8
Date:	17/4/2013				ᆫᆃᆜ	
Model Rth	0.65 K/W			L		
				$\stackrel{\wedge}{T}$	t <sub>amb</sub>	
				•	001aal76	8