

## Thermal RC network (Foster)

## **SPICE thermal model**

## **BUK7E4R0-80E**

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		<b>夕</b>	4.	
	Cth <sub>2</sub>	1.961E-03 F			tj	
	Cth <sub>3</sub>	1.472E-03 F				
	Cth <sub>4</sub>	5.515E-03 F			Rth <sub>1</sub> + Cth	
	Cth <sub>5</sub>	1.889E-02 F			┙ <b>┈┈╴ᆍ</b> ╺┉	רי
	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			Rth <sub>2</sub> + Cth	2
	Rth <sub>1</sub>	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω			ጎ <u>"</u> 上	
	Rth <sub>3</sub>	7.505E-03 Ω			Rth3 + Cth	13
	Rth <sub>4</sub>	1.817E-02 Ω			┖—•	
	Rth <sub>5</sub>	6.176E-02 Ω				
	Rth <sub>6</sub>	2.678E-01 Ω			Rth4 + Cth	14
	Rth <sub>7</sub>	7.287E-02 Ω			٦ ' T ' '''	· <b></b>
	Rth <sub>8</sub>	6.467E-04 Ω	(	( P )		
				$\bigvee$ $_{I}$	<u> ነ</u>	
					Rth5 = Cth	5
					┖┿╜	
				_		
					Rth <sub>6</sub> + Cth	
					J''''' <b>T</b> ''''	ю
				l r	5	
					Rth7 = Cth	17
				L	┸╇—	
_	DUIV7E 450 005					
Part:	BUK7E4R0-80E				Rth8 + Cth	
lato:	11/4/2013				┙ <b>╵┈。</b> ᆍ <i>┖</i> ᡕ	שׁוּ
Date: Rth	0.43 K/W					
XU1	0.43 K/VV				tomb	
				$\Diamond$	t <sub>amb</sub> 001aal76	<b>S</b> 8
					oo i aai / C	,,,