

## 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		Ą	t:	
	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				1
	Cth <sub>5</sub>	1.889E-02 F		L	,, , , <b>⊥ , </b> ,	1
	Cth <sub>6</sub>	3.370E-02 F				
	Cth <sub>7</sub>	7.373E-01 F		l r	$\neg \neg \neg$	
	Cth <sub>8</sub>	2.812E+02 F			$\int Rth_2 + Cth_2$	2
	Rth₁	3.269E-04 Ω				
	Rth <sub>2</sub>	6.428E-04 Ω		Г	<b></b>	
	Rth <sub>3</sub>	7.505E-03 Ω			Rth3 Cth	3
	Rth <sub>4</sub>	1.817E-02 Ω		L	╧╼	
	Rth₅	6.176E-02 Ω			<b>_</b>	
	Rth <sub>6</sub>	2.678E-01 Ω			Rth4 + Cth	4
	Rth <sub>7</sub>	7.287E-02 Ω				+
	Rth <sub>8</sub>	6.467Ε-04 Ω	(	(Р)		
				ΎΓ[		5
				l l		
						3
				L	┙	
						7
					┵╺┛	
Part:	BUK763R8-80E			г		
	44/4/0010				$\int Rth 8 \stackrel{\bullet}{=} Cth_{8}$	3
ate:	11/4/2013 0.43 K/W				<b></b>	
lodel Rth	0.43 K/W			· · · · •	 t	
				$\triangleleft$	t <sub>amb</sub> 001aal76	0

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