

## Thermal RC network (Foster)

## **SPICE thermal model**

## **BUK9E8R5-40E**

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	1.60	K/W
	Cth <sub>1</sub>	4.740E-05 F		<b>A</b>	4	
	Cth <sub>2</sub>	3.573E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	2.573E-04 F				
	Cth <sub>4</sub>	9.872E-04 F			$\bigcap_{Rth_1} \biguplus_{Cth_1}$	
	Cth <sub>5</sub>	2.798E-03 F				
	Cth <sub>6</sub>	7.463E-03 F				
	Cth <sub>7</sub>	2.715E-01 F			<del></del>	
	Cth <sub>8</sub>	3.781E+01 F			Rth <sub>2</sub> + Cth <sub>2</sub>	2
	Rth <sub>1</sub>	1.715E-03 Ω				
	Rth <sub>2</sub>	3.454E-03 Ω		l [	┧ │	
	Rth <sub>3</sub>	3.886Ε-02 Ω			Rth3 = Cth3	3
	Rth <sub>4</sub>	1.014E-01 Ω				
	Rth <sub>5</sub>	3.814E-01 Ω				
	Rth <sub>6</sub>	8.981E-01 Ω			Rth4 + Cth	ı
	Rth <sub>7</sub>	1.681E-01 Ω			J	•
	Rth <sub>8</sub>	5.350E-03 Ω	(	(P)		
				$\bigvee$ ,	5	
					Rth5 + Cth	5
					┸┯╜	
					Rth <sub>6</sub> + Cth <sub>6</sub>	
						)
				l r	5	
					Rth7 = Cth7	,
				L	ᆫ	
	DIWAFARE 105					
Part:	BUK9E8R5-40E				Rth8 + Cth8	
Date:	11/4/2013				丿'``''' <b>干</b>	5
Sate. Rth	1.60 K/W	,				
vu i	1.00 100				t <sub>amb</sub>	
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					557447700	-