

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK9M11-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	2.44	K/W
	Cth <sub>1</sub>	2.010E-05 F		$\triangle$	4	
	Cth <sub>2</sub>	1.708E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	1.888E-04 F				
	Cth <sub>4</sub>	7.066E-03 F			Detha Loub	
	Cth <sub>5</sub>	1.019E-03 F		[	Rth <sub>1</sub> + Cth <sub>1</sub>	
	Cth <sub>6</sub>	9.129E-03 F				
	Cth <sub>7</sub>	9.134E-02 F			<b></b>	
	Cth <sub>8</sub>	2.243E+02 F			Rth <sub>2</sub> = Cth <sub>2</sub>	
				l		
	Rth <sub>1</sub>	4.007E-03 Ω				
	Rth <sub>2</sub>	6.986E-03 Ω			1 <sub>54</sub> , $\perp$	
	Rth <sub>3</sub>	4.049E-02 Ω			Rth3 + Cth3	
	$Rth_4$	1.746E-02 Ω			<b></b>	
	Rth <sub>5</sub>	1.084E+00 Ω			<u>ς</u>	
	Rth <sub>6</sub>	1.072E+00 Ω			Rth4 + Cth4	
	Rth <sub>7</sub>	2.058E-01 Ω			_ · ·	
	Rth <sub>8</sub>	4.457E-03 Ω		( P )		
				$\mathcal{L}$	┧ ⊥	
					Rth <sub>5</sub> + Cth <sub>5</sub>	
				'	┖┯┛	
					Rth6 + Cth6	
				l l		
				l r	<u>ነ</u> ነ	
					Rth7 + Cth7	
					┖╇╜	
Dort:	RUKOM44 40E					
Part:	BUK9M11-40E				Rth8 + Cth8	
Date:	3/3/2016			l l	7 T Still	
Model Rth	2.44 K/M	ı		_		
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