

Thermal RC network (Foster)

SPICE thermal model

BUK9E3R2-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.65	K/W
	Cth ₁	1.572E-04 F		\triangle	4	
	Cth ₂	1.124E-03 F			<u>tj</u>	
	Cth ₃	8.462E-04 F				
	Cth ₄	3.272E-03 F				
	Cth ₅	1.019E-02 F			JRth1 † Cth	1
	Cth ₆	2.118E-02 F				
	Cth ₇	5.698E-01 F				
	Cth ₈	1.813E+02 F			Rth ₂ + Cth	2
	Rth₁	5.654E-04 Ω				
	Rth ₂	1.114E-03 Ω		r	「 」	
	Rth ₃	1.315E-02 Ω			Rth3 = Cth	3
	Rth ₄	3.159E-02 Ω		'		
	Rth ₅	1.138E-01 Ω				
	Rth ₆	3.999E-01 Ω			Rth4 + Cth	A
	Rth ₇	9.381E-02 Ω			J 4 — O	4
	Rth ₈	1.005E-03 Ω	((P)		
				\bigvee $_{I}$	「 」	
					Rth5 + Cth	5
				'	┖┿╜	
					Rth ₆ + Cth	6
				l l	J T G	0
					占	
					Rth7 + Cth	7
				'	┖┿╜	
Part:	BUK9E3R2-40E					
φ1 t.	DONOLONE TOL				Rth8 + Cth	R
Date:	11/4/2013			l	<u>ــــــــــــــــــــــــــــــــــــ</u>	_
Rth	0.65 K/W					
				Ţ	t _{amb}	
				V	001aal76	Ω