

Thermal RC network (Foster)

SPICE thermal model

BUK7E1R9-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.47	K/W
	Cth ₁	2.404E-04 F		A	4	
	Cth ₂	1.735E-03 F			<u>tj</u>	
	Cth ₃	1.299E-03 F				
	Cth ₄	4.873E-03 F			Rth ₁ + Cth	
	Cth ₅	1.648E-02 F			J'``'' T '''	
	Cth ₆	2.996E-02 F				
	Cth ₇	6.007E-01 F		l r	5	
	Cth ₈	1.529E+02 F			Rth ₂ + Cth ₂	2
	Rth₁	3.714E-04 Ω				
	Rth ₂	7.331E-04 Ω		l r	<u>ነ</u> ነ	
	Rth ₃	8.493E-03 Ω			Rth3 = Cth	3
	Rth ₄	2.053E-02 Ω		'		
	Rth ₅	6.988E-02 Ω		_		
	Rth ₆	2.879E-01 Ω			Rth4 + Cth	
	Rth ₇	8.385E-02 Ω			J	•
	Rth ₈	1.433E-03 Ω	((P)		
				\bigvee ,	5	
					Rth5 + Cthe	5
					┸┯┙	
					Rth ₆ + Cth ₆	
				l	J''''' T 5'''')
					<u> </u>	
					Rth7 = Cth7	7
Dort	BUK7E1R9-40E					
Part:	DON/LINS-40E				Rth8 + Cth8	.
Date:	11/4/2013				7 T Sing	,
Rth	0.47 K/W					
				Ţ	t _{amb}	
				V	001aal768	