

Thermal RC network (Foster)

SPICE thermal model

BUK9K18-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
Rth(j-mb)	thermal resistance from junction to mounting base		-	-	3.96	K/W
	Cth ₁	1.632E-05 F		\triangle		
	Cth ₂	9.043E-05 F			<u>tj</u>	
	Cth ₃	1.237E-04 F				
	Cth ₄	5.440E-04 F				_
	Cth ₅	2.462E-03 F			JRth₁ ‡Cth	1
	Cth ₆	2.636E-03 F				
	Cth ₇	1.699E-01 F				
	Cth ₈	2.276E+02 F			JRth2	2
	Rth₁	5.513E-03 Ω				
	Rth ₂	1.304E-02 Ω		l r	5	
	Rth ₃	7.719E-02 Ω			Rth3 + Cth	3
	Rth ₄	1.770E-01 Ω		'	┸╇╜	
	Rth ₅	5.109E-01 Ω				
	Rth ₆	2.852E+00 Ω			Rth4 + Cth	
	Rth ₇	3.205E-01 Ω			J · · · · · · · · · · · · · · · · · · ·	4
	Rth ₈	7.015E-04 Ω	((P)		
				\bigvee ,	5	
					Rth ₅ + Cth	5
						
					Rth6 + Cth	6
				l l		•
					九 上	
					Rth7 + Cth	7
						
Part:	BUK9K18-40E				, • γ	
-					Rth8 + Cth	8
Date:	20/3/2013					-
Rth	3.96 K/W	I		L		
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				V	001aal76	8