

Thermal RC network (Foster)

SPICE thermal model

BUK962R1-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
Rth(j-mb)	thermal resistance from junction to mounting base		-	-	0.51	K/W
	Cth ₁	2.085E-04 F		A	4	
	Cth ₂	1.582E-03 F			<u>tj</u>	
	Cth ₃	1.124E-03 F				
	Cth ₄	4.066E-03 F				
	Cth ₅	1.379E-02 F			JRth1 † Cth1	
	Cth ₆	2.696E-02 F				
	Cth ₇	6.892E-01 F				
	Cth ₈	1.806E+02 F			Rth2 + Cth2	<u>}</u>
				1		
	Rth ₁	4.200E-04 Ω				
	Rth ₂	8.136E-04 Ω			↑ ₅₄₅	
	Rth ₃	9.132E-03 Ω			_Rth3	}
	Rth ₄	2.352E-02 Ω				
	Rth₅	8.209E-02 Ω				
	Rth ₆	3.277E-01 Ω			Rth4 + Cth4	<u>.</u>
	Rth ₇	7.932E-02 Ω			┸┻┛	•
	Rth ₈	8.874E-04 Ω		(P)		
				\downarrow	↑ 	
					Rth5 + Cth5	5
					—	
					Rth6 + Cth6	}
						,
					┧╻ ⊥	
					Rth7 + Cth7	•
				'	T	
Part:	BUK962R1-40E				_	
	-				Rth8 + Cth8	}
Date:	11/4/2013					•
Model Rth	0.52 K/W					
					t _{amb}	
				V	001aal768	}