

Thermal RC network (Foster)

SPICE thermal model

BUK762R0-40F

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(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 ‡Cth	1
	Cth ₆	2.696E-02 F				
	Cth ₇	6.892E-01 F			<u>-</u> -	
	Cth ₈	1.806E+02 F			Rth ₂ + Cth	2
				L		_
	Rth₁	4.200E-04 Ω				
	Rth ₂	8.136E-04 Ω		Г	┧ │	
	Rth ₃	9.132E-03 Ω			Rth3 = Cth	3
	Rth ₄	2.352E-02 Ω				
	Rth ₅	8.209E-02 Ω		_		
	Rth ₆	3.277E-01 Ω			Rth4 + Cth	4
	Rth ₇	7.932E-02 Ω				4
	Rth ₈	8.874E-04 Ω	((P)		
				\bigvee ,	5	
					Rth5 = Cth	5
				L	┸ ┯ ┛	
					JRth6	6
					<u>-</u> -	
					Rth7 + Cth	7
				L		-
art:	BUK762R0-40E				1 ₀₄ , 1	
					Rth8 + Cth	8
ate:	11/4/2013				—	
odel Rth	0.52 K/W			<u> </u>	 • .	
				\Diamond	t _{amb}	•
					001aal76	ช