

Thermal RC network (Foster)

SPICE thermal model

BUK953R5-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.51	K/W
	Cth ₁	2.085E-04 F		Δ		
	Cth ₂	1.582E-03 F			<u>tj</u>	
	Cth ₃	1.124E-03 F				
	Cth ₄	4.066E-03 F			$\int_{\mathbf{B}_{\mathbf{b}_{\mathbf{a}}}} \mathbf{L}_{\mathbf{a}_{\mathbf{b}_{\mathbf{a}}}}$	
	Cth ₅	1.379E-02 F			Rth1 + Cth1	
	Cth ₆	2.696E-02 F				
	Cth ₇	6.892E-01 F		ſ		
	Cth ₈	1.806E+02 F			Rth ₂ + Cth ₂	
				L		
	Rth ₁	4.200E-04 Ω				
	Rth ₂	8.136E-04 Ω			Detho Loub	
	Rth ₃	9.132E-03 Ω			Rth3 + Cth3	
	Rth ₄	2.352E-02 Ω				
	Rth ₅	8.209E-02 Ω		Г	←	
	Rth ₆	3.277E-01 Ω			Rth4 = Cth4	
	Rth ₇	7.932E-02 Ω		۱ ر	└	
	Rth ₈	8.874E-04 Ω		(P)		
				\top		
					Rth5 + Cth5	
				Г	←	
					Rth6 + Cth6	
				L		
					Rth7 + Cth7	
					—	
Part:	BUK953R5-60E				<u>←</u>	
					Rth8 + Cth8	
Date:	17/4/2013					
Model Rth	0.52 K/W			L		
				$\stackrel{\wedge}{T}$	t _{amb}	
				•	001aal768	1