

Thermal RC network (Foster)

SPICE thermal model

BUK9M9R1-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	2.00	K/W
	Cth ₁	2.117E-05 F		\triangle		
	Cth ₂	1.868E-04 F			<u>tj</u>	
	Cth ₃	2.444E-04 F				
	Cth ₄	2.967E-03 F] [1 ₅₄ , 1 ₅₄	
	Cth ₅	1.698E-03 F			」Rth1 十 Cth₁	
	Cth ₆	6.259E-03 F			<u> </u>	
	Cth ₇	8.221E-02 F				
	Cth ₈	2.085E+02 F			Rth2 + Cth2	2
	Rth₁	2.884E-03 Ω				
	Rth ₂	5.970E-03 Ω			5	
	Rth ₃	2.837E-02 Ω			Rth3 + Cth3	3
	Rth ₄	3.855E-02 Ω		'	۲_+	
	Rth ₅	5.033E-01 Ω				
	Rth ₆	1.154E+00 Ω			Rth4 + Cth	1
	Rth ₇	2.626E-01 Ω				•
	Rth ₈	3.109E-03 Ω	((P)		
				\bigvee ,	5	
					Rth5 + Cth	5
				'	۲_+	
					Rth ₆ + Cth ₆	
				l		•
					5	
					Rth7 = Cth7	7
				'		
Part:	BUK9M9R1-40E					
ait.	DONAMAK 1-40E				Rth8 + Cth8	ł
Date:	3/3/2016				٦ ٣ ٣ ٣ ٣ ٣ ٣ ٣ ٢ ٢ ٢ ٢ ٢ ٢ ٢ ٢ ٢ ٢ ٢ ٢ ٢	•
Model Rth	2.00 K/W					
				Ţ	t _{amb}	
				V	001aal768	2