

Thermal RC network (Foster)

SPICE thermal model

BUK9M5R2-30E

thermal resistance from junction to mounting base Cth ₁ Cth ₂ Cth ₃ Cth ₄ Cth ₅	2.419E-05 F 2.167E-04 F 3.323E-04 F 2.213E-03 F	Min -	Тур	<u>Max</u> 1.89	K/W
${ m Cth_2}$ ${ m Cth_3}$ ${ m Cth_4}$ ${ m Cth_5}$	2.167E-04 F 3.323E-04 F		Ţ.	t _j	
${ m Cth_2}$ ${ m Cth_3}$ ${ m Cth_4}$ ${ m Cth_5}$	2.167E-04 F 3.323E-04 F		Ť	t <u>j</u>	
Cth_3 Cth_4 Cth_5	3.323E-04 F			<u>tj</u>	
Cth ₄ Cth ₅					
Cth ₅	2.213E-03 F				
				¹ թ., ⊥ .,,	
0.1	3.420E-03 F			Rth1 + Cth1	
Cth ₆	6.196E-03 F			_	
Cth ₇	2.541E-02 F			, • Τ	
Cth ₈	4.000E+01 F			Rth ₂ + Cth ₂	
D.I.					
				Rth3 LCth3	
			l l		
				ካ	
				Rth4 TCth4	
				T	
Kuig	7.333E-03 \(\Omega \)		Ţ,		
				Rth5 LCth5	
			l l		
				ካ	
				Rth6 TCth6	
				T-+	
				<u>ͺ</u>	
				Rth7 + Cth7	
			l L		
BUK9M5R2-30E				[†] ը,,, ⊥ _,	
				JKIN8 TCth8	
					
1.89 K/W					
			\Diamond		
				<i>001aa11</i> 08	
	Cth ₈ Rth ₁ Rth ₂ Rth ₃ Rth ₄ Rth ₅ Rth ₆ Rth ₇	Cth ₇ 2.541E-02 F Cth ₈ 4.000E+01 F Rth ₁ 2.335E-03 Ω Rth ₂ 4.887E-03 Ω Rth ₃ 2.084E-02 Ω Rth ₄ 4.805E-02 Ω Rth ₅ 3.344E-01 Ω Rth ₆ 1.432E+00 Ω Rth ₇ 3.993E-02 Ω Rth ₈ 7.333E-03 Ω	Cth ₇ 2.541E-02 F Cth ₈ 4.000E+01 F Rth ₁ 2.335E-03 Ω Rth ₂ 4.887E-03 Ω Rth ₃ 2.084E-02 Ω Rth ₄ 4.805E-02 Ω Rth ₅ 3.344E-01 Ω Rth ₆ 1.432E+00 Ω Rth ₇ 3.993E-02 Ω Rth ₈ 7.333E-03 Ω	Cth ₇ 2.541E-02 F Cth ₈ 4.000E+01 F Rth ₁ 2.335E-03 Ω Rth ₂ 4.887E-03 Ω Rth ₃ 2.084E-02 Ω Rth ₄ 4.805E-02 Ω Rth ₅ 3.344E-01 Ω Rth ₆ 1.432E+00 Ω Rth ₇ 3.993E-02 Ω Rth ₈ 7.333E-03 Ω P BUK9M5R2-30E 3/3/2016 1.89 K/W	Cth ₇ 2.541E-02 F Cth ₈ 4.000E+01 F Rth ₁ 2.335E-03 Ω Rth ₂ 4.887E-03 Ω Rth ₃ 2.084E-02 Ω Rth ₄ 4.805E-02 Ω Rth ₆ 3.344E-01 Ω Rth ₇ 3.993E-02 Ω Rth ₈ 7.333E-03 Ω Rth ₈ 7.333E-03 Ω Rth ₉ Cth ₄ Rth ₉ Cth ₅ Rth ₁ Cth ₅ Rth ₁ Cth ₅ Rth ₁ Cth ₅