

Thermal RC network (Foster)

SPICE thermal model

BUK956R1-100E

thermal resistance from junction to			Тур	0.43	K/W
mounting base				0.40	1777
Cth ₁	2.727E-04 F		\triangle	1	
Cth ₂	1.961E-03 F			<u>tj</u>	
Cth ₃	1.472E-03 F				
Cth ₄	5.515E-03 F			$\int_{Bth_4} \perp_{Cth_4}$	
Cth ₅	1.889E-02 F				
Cth ₆	3.370E-02 F				
Cth ₇	7.373E-01 F		Г	5	
Cth ₈	2.812E+02 F			Rth2 + Cth2	2
Rth₁	3.269E-04 Ω				
Rth ₂			Г	5	
Rth ₃	7.505E-03 Ω			Rth3 = Cth3	3
Rth ₄	1.817E-02 Ω			┸┯╜	
Rth ₅	6.176E-02 Ω		_		
Rth ₆	2.678E-01 Ω			$\bigcap_{Rth_{4}} \perp_{Cth_{4}}$	ī
Rth ₇	7.287E-02 Ω				•
Rth ₈	6.467E-04 Ω	((P)		
			\bigvee ,	5	
				」Rth5 〒Cth5	;
					
				Rth6 + Cthe	;
					-
				<u> </u>	
					,
BUK956R1-100E					
				Rth8 + Cth8	3
17/4/2013			l l		•
0.43 K/W			L]	
			\downarrow	t _{amb}	
			•		3
	Cth ₂ Cth ₃ Cth ₄ Cth ₅ Cth ₆ Cth ₇ Cth ₈ Rth ₁ Rth ₂ Rth ₃ Rth ₄ Rth ₅ Rth ₆ Rth ₇ Rth ₈	$Cth_2 \qquad 1.961E-03 \ F$ $Cth_3 \qquad 1.472E-03 \ F$ $Cth_4 \qquad 5.515E-03 \ F$ $Cth_5 \qquad 1.889E-02 \ F$ $Cth_6 \qquad 3.370E-02 \ F$ $Cth_7 \qquad 7.373E-01 \ F$ $Cth_8 \qquad 2.812E+02 \ F$ $Rth_1 \qquad 3.269E-04 \ \Omega$ $Rth_2 \qquad 6.428E-04 \ \Omega$ $Rth_3 \qquad 7.505E-03 \ \Omega$ $Rth_4 \qquad 1.817E-02 \ \Omega$ $Rth_5 \qquad 6.176E-02 \ \Omega$ $Rth_6 \qquad 2.678E-01 \ \Omega$ $Rth_7 \qquad 7.287E-02 \ \Omega$ $Rth_8 \qquad 6.467E-04 \ \Omega$	Cth ₂ 1.961E-03 F Cth ₃ 1.472E-03 F Cth ₄ 5.515E-03 F Cth ₅ 1.889E-02 F Cth ₆ 3.370E-02 F Cth ₇ 7.373E-01 F Cth ₈ 2.812E+02 F Rth ₁ 3.269E-04 Ω Rth ₂ 6.428E-04 Ω Rth ₃ 7.505E-03 Ω Rth ₄ 1.817E-02 Ω Rth ₅ 6.176E-02 Ω Rth ₆ 2.678E-01 Ω Rth ₇ 7.287E-02 Ω Rth ₈ 6.467E-04 Ω	Cth ₂ 1.961E-03 F Cth ₃ 1.472E-03 F Cth ₄ 5.515E-03 F Cth ₅ 1.889E-02 F Cth ₆ 3.370E-02 F Cth ₇ 7.373E-01 F Cth ₈ 2.812E+02 F Rth ₁ 3.269E-04 Ω Rth ₂ 6.428E-04 Ω Rth ₃ 7.505E-03 Ω Rth ₄ 1.817E-02 Ω Rth ₅ 6.176E-02 Ω Rth ₆ 2.678E-01 Ω Rth ₇ 7.287E-02 Ω Rth ₈ 6.467E-04 Ω	Cth ₂ 1.961E-03 F Cth ₃ 1.472E-03 F Cth ₄ 5.515E-03 F Cth ₅ 1.889E-02 F Cth ₆ 3.370E-02 F Cth ₇ 7.373E-01 F Cth ₈ 2.812E+02 F Rth ₁ 3.269E-04 Ω Rth ₂ 6.428E-04 Ω Rth ₃ 7.505E-03 Ω Rth ₄ 1.817E-02 Ω Rth ₈ 6.176E-02 Ω Rth ₉ 6.467E-04 Ω Rth ₉ 6.467E-04 Ω Rth ₉ Cth ₈ Cth ₈ Rth ₁ Rth ₁ Cth ₁ Rth ₁ Rth ₁ Cth ₁ Rth ₂ Cth ₂ Rth ₃ Cth ₃ Rth ₄ 1.817E-02 Ω Rth ₈ Cth ₈ Rth ₉ Cth ₈