

Thermal RC network (Foster)

SPICE thermal model

BUK769R6-80E

Parameter	Conditions	Min	Тур	Max	Unit
thermal resistance from junction to mounting base		-	-	0.82	K/W
Cth ₁	1.128E-04 F		A	4	
Cth ₂	8.153E-04 F			<u>"j</u>	
Cth ₃	6.066E-04 F				
Cth ₄	2.369E-03 F				
Cth ₅	6.973E-03 F				11
Cth ₆	1.600E-02 F				
Cth ₇	5.627E-01 F			←	
Cth ₈	5.931E+01 F			Rth ₂ + Cth	2
Rth ₁	7.791E-04 Ω				
Rth ₂	1.532E-03 Ω		Г	<u>ጎ</u>	
Rth ₃	1.801E-02 Ω			Rth3 = Cth	3
Rth ₄	4.374E-02 Ω			┖┿╜	
Rth ₅	1.604E-01 Ω		۔ ا		
Rth ₆	5.174E-01 Ω			$ _{\text{Rth}_{4}} \perp_{\text{Cth}}$	14
Rth ₇	9.637E-02 Ω		\	亅 . 丁 "	· -
Rth ₈	3.222E-03 Ω	((P)		
			\bigvee Γ	<u>ጎ</u>	
				Rth5 TCth	15
			Г	5	
				Rth6 = Cth	6
				ᆫ	
			_		
				$\bigcap_{Rthz} \perp_{Cth}$	
				J```' ' ┬ `''	17
BUK769R6-80E				- -	
				Rth8 = Cth	8
11/4/2013			'		
0.84 K/W			L		
			$\stackrel{\wedge}{T}$		
				001aal76	88
	thermal resistance from junction to mounting base Cth ₁ 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 BUK769R6-80E	thermal resistance from junction to mounting base Cth ₁ 1.128E-04 F Cth ₂ 8.153E-04 F Cth ₃ 6.066E-04 F Cth ₄ 2.369E-03 F Cth ₅ 6.973E-03 F Cth ₆ 1.600E-02 F Cth ₇ 5.627E-01 F Cth ₈ 5.931E+01 F Rth ₁ 7.791E-04 Ω Rth ₂ 1.532E-03 Ω Rth ₃ 1.801E-02 Ω Rth ₄ 4.374E-02 Ω Rth ₅ 1.604E-01 Ω Rth ₆ 5.174E-01 Ω Rth ₇ 9.637E-02 Ω Rth ₈ 3.222E-03 Ω	thermal resistance from junction to mounting base Cth ₁ 1.128E-04 F Cth ₂ 8.153E-04 F Cth ₃ 6.066E-04 F Cth ₄ 2.369E-03 F Cth ₅ 6.973E-03 F Cth ₆ 1.600E-02 F Cth ₇ 5.627E-01 F Cth ₈ 5.931E+01 F Rth ₁ 7.791E-04 Ω Rth ₂ 1.532E-03 Ω Rth ₃ 1.801E-02 Ω Rth ₄ 4.374E-02 Ω Rth ₅ 1.604E-01 Ω Rth ₆ 5.174E-01 Ω Rth ₇ 9.637E-02 Ω Rth ₈ 3.222E-03 Ω	thermal resistance from junction to mounting base Cth ₁ 1.128E-04 F Cth ₂ 8.153E-04 F Cth ₃ 6.066E-04 F Cth ₄ 2.369E-03 F Cth ₅ 6.973E-03 F Cth ₆ 1.600E-02 F Cth ₇ 5.627E-01 F Cth ₈ 5.931E+01 F Rth ₁ 7.791E-04 Ω Rth ₂ 1.532E-03 Ω Rth ₃ 1.801E-02 Ω Rth ₄ 4.374E-02 Ω Rth ₆ 1.604E-01 Ω Rth ₇ 9.637E-02 Ω Rth ₈ 3.222E-03 Ω Rth ₉ 3.222E-03 Ω	themal resistance from junction to mounting base Cth, 1.128E-04 F Cth ₂ 8.153E-04 F Cth ₃ 6.066E-04 F Cth ₄ 2.369E-03 F Cth ₅ 6.973E-03 F Cth ₆ 1.600E-02 F Cth ₇ 5.627E-01 F Cth ₈ 5.931E+01 F Rth ₁ 7.791E-04 Ω Rth ₂ 1.532E-03 Ω Rth ₃ 1.801E-02 Ω Rth ₄ 4.374E-02 Ω Rth ₆ 5.174E-01 Ω Rth ₇ 9.637E-02 Ω Rth ₈ 3.222E-03 Ω Rth ₉ 3.222E-03 Ω