

Thermal RC network (Foster)

SPICE thermal model

BUK7K134-100F

Parameter	Conditions	Min	Тур	Max	Unit
thermal resistance from junction to mounting base		-	-	4.68	K/W
Cth ₁	1.267E-05 F		\triangle		
Cth ₂	6.746E-05 F			<u>tj</u>	
Cth ₃	9.693E-05 F				
Cth ₄	4.239E-04 F			↑ _{₽₽} , ⊥	
Cth ₅	1.921E-03 F				1
Cth ₆	2.081E-03 F				
Cth ₇	7.455E-02 F				
Cth ₈	4.773E+00 F			Rth ₂ + Cth	2
Rth₁	7.020E-03 Ω				
			l r	5	
				Rth3 = Cth	3
			L	ᆫ	
				$\bigcap_{Rth_{A}} \perp_{Cth}$	
				┙ ┈┈╴ て‴	4
		((P)		
		·	\bigvee ,	5	
				Rth5 = Cth	5
				┸╇┛	
				$\int_{Btho} \bot_{Cth}$	_
					6
			l r	5	
				Rth7 = Cth	7
DI 11/71/404 400E					
BUK/K134-100E				$\bigcap_{Rtho} \bot_{C4L}$	0
20/3/2013				/``` `	Ö
				t _{amh}	
			V		8
	Parameter 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 BUK7K134-100E	thermal resistance from junction to mounting base Cth ₁ 1.267E-05 F Cth ₂ 6.746E-05 F Cth ₃ 9.693E-05 F Cth ₄ 4.239E-04 F Cth ₅ 1.921E-03 F Cth ₆ 2.081E-03 F Cth ₇ 7.455E-02 F Cth ₈ 4.773E+00 F Rth ₁ 7.020E-03 Ω Rth ₂ 1.675E-02 Ω Rth ₃ 1.023E-01 Ω Rth ₄ 2.229E-01 Ω Rth ₆ 3.349E+00 Ω Rth ₇ 2.648E-01 Ω Rth ₈ 3.995E-02 Ω	Parameter Conditions Min thermal resistance from junction to mounting base - Cth1 1.267E-05 F - Cth2 6.746E-05 F - Cth3 9.693E-05 F - Cth4 4.239E-04 F - Cth5 1.921E-03 F - Cth6 2.081E-03 F - Cth7 7.455E-02 F - Cth8 4.773E+00 F - Rth1 7.020E-03 Ω - Rth2 1.675E-02 Ω - Rth3 1.023E-01 Ω - Rth4 2.229E-01 Ω - Rth6 6.814E-01 Ω - Rth7 2.648E-01 Ω - Rth8 3.995E-02 Ω - BUK7K134-100E	Parameter Conditions Min Typ	Parameter Conditions Min Typ Max