

Thermal RC network (Foster)

SPICE thermal model

BUK9E1R8-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.43	K/W
	Cth ₁	2.727E-04 F		\triangle		
	Cth ₂	1.961E-03 F			<u>tj</u>	
	Cth ₃	1.472E-03 F				
	Cth ₄	5.515E-03 F				
	Cth ₅	1.889E-02 F			JRth1 † Cth1	
	Cth ₆	3.370E-02 F				
	Cth ₇	7.373E-01 F				
	Cth ₈	2.812E+02 F			Rth2 + Cth2	!
	Rth₁	3.269E-04 Ω				
	Rth ₂	6.428E-04 Ω		l [<u>ነ</u> ነ	
	Rth ₃	7.505E-03 Ω			Rth3 = Cth3	}
	Rth ₄	1.817E-02 Ω				
	Rth₅	6.176E-02 Ω		_		
	Rth ₆	2.678Ε-01 Ω			Rth ₄ ${=}$ Cth ₄	
	Rth ₇	7.287E-02 Ω				
	Rth ₈	6.467E-04 Ω	((P)		
				\bigvee ,	5	
					Rth5 + Cth5	;
					┸┯╜	
				_		
					Rth ₆ + Cth ₆	•
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					Rth7 + Cth7	•
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Part:	BUK9E1R8-40E					
all.	DUNAL INO-40E				Rth8 + Cth8	!
Date:	11/4/2013					,
Rth	0.43 K/W	,				
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				V	001aal768	}