

Thermal RC network (Foster)

SPICE thermal model

BUK755R4-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.43	K/W
	Cth₁	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			Rth ₁ + Cth	
	Cth ₆	3.370E-02 F				
	Cth ₇	7.373E-01 F				
	Cth ₈	2.812E+02 F			Rth2 + Cth	2
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	Rth ₁	3.269E-04 Ω				
	Rth ₂	6.428E-04 Ω			†	
	Rth ₃	7.505E-03 Ω			Rth3 = Cth;	3
	Rth_4	1.817E-02 Ω			┸ ┯ ┙	
	Rth ₅	6.176E-02 Ω				
	Rth ₆	2.678E-01 Ω			Rth4 + Cth	1
	Rth ₇	7.287E-02 Ω			T	•
	Rth ₈	6.467E-04 Ω		(P)		
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					Rth5 + Cth	5
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					Rth6 + Cthe	•
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					Rth7 + Cth	7
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Part:	BUK755R4-100E					
uit.	DOI(103)(4-100L				Rth8 + Cth8	2
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Model Rth	0.43 K/W					
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