

Thermal RC network (Foster)

SPICE thermal model

BUK9K5R6-30E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	2.36	K/W
	Cth ₁	3.575E-05 F		A	4.	
	Cth ₂	1.981E-04 F			<u>tj</u>	
	Cth ₃	2.706E-04 F				
	Cth ₄	1.210E-03 F			Rth ₁ + Cth	
	Cth ₅	4.930E-03 F			┙╵┈╵╶┯┕┉	1
	Cth ₆	5.951E-03 F				
	Cth ₇	1.357E-01 F		Г	5	
	Cth ₈	6.011E+01 F			Rth2 + Cth	2
	Rth ₁	2.533E-03 Ω				
	Rth ₂	5.928E-03 Ω			┧	
	Rth ₃	3.577E-02 Ω			Rth3 + Cth	3
	Rth_4	7.656E-02 Ω				
	Rth ₅	2.422E-01 Ω				
	Rth ₆	1.553E+00 Ω			Rth4 + Cth	1
	Rth ₇	4.394E-01 Ω			٦ · · · T · · · ·	~
	Rth ₈	3.829E-03 Ω	((P)		
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					Rth5 + Cth	5
					┖┿╜	
					Rth ₆ + Cth	•
					J''''' T ''''	6
					5	
					Rth7 + Cth	7
				L		
5 .	DI IVOVEDE 20E					
Part:	BUK9K5R6-30E				Rth8 + Cth	0
Date:	20/3/2013				/ ****** 	0
Rth	2.36 K/W					
	2.00				t _{amb}	
				∇	-amb <i>001aal76</i>	8
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