

Thermal RC network (Foster)

SPICE thermal model

BUK7K5R1-30E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	<u> </u>	2.21	K/W
	Cth ₁	3.976E-05 F		∱ ┪		
	Cth ₂	2.164E-04 F			\neg	
	Cth ₃	3.017E-04 F				
	Cth ₄	1.378E-03 F		F	tth1 #Cth1	
	Cth ₅	5.688E-03 F		ᅵ		
	Cth ₆	6.507E-03 F		_		
	Cth ₇	1.055E-01 F		│ │ │ │ │		
				▎ ∐⁵	th2 = Cth2	
					-	
	Rth₁	2.295Ε-03 Ω			•	
	Rth ₂	5.374Ε-03 Ω		F	tthis 🗯 Ctha	
	Rth ₃	3.333E-02 Ω		닏		
	Rth ₄	6.878E-02 Ω		_		
	Rth ₅	2.139Ε-01 Ω		▎	<u> </u>	
	Rth ₆	1.358E+00 Ω		"	tth4 = Cth4	
	Rth ₇	5.236E-01 Ω	(F) _L		
				/ 5		
					iths #Cth5	
				닏		
				一	<u></u>	
				•	the ‡Cth6	
				_ ~	_ -	
						
					tth7 📥 Cth7	
				ᅵ	, T 33",	
					<u> </u>	
Part:	BUK7K5R1-30E					
Date:	20/3/2013					
Rth	2.21 K/W	1		↓ t _{an}	 sh	
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