

Thermal RC network (Foster)

SPICE thermal model

BUK7Y3R5-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-		0.90	K/W
	Cth ₁	5.189E-05 F		∱ ┪		
	Cth ₂	3.399E-04 F	1	 1	\neg	
	Cth ₃	3.893E-04 F				
	Cth ₄	2.947E-03 F			tth1 #Cth1	
	Cth ₅	4.944E-03 F				
	Cth ₆	1.408E-02 F				
	Cth ₇	1.666E-01 F		Ů₽	tth2 + Cth2	
	Rth ₁	1.612E-03 Ω				
	Rth ₂	3.276E-03 Ω		一		
	Rth ₃	2.283E-02 Ω			tth3 🕇 Cth3	
	Rth ₄	3.326E-02 Ω		_ —	•	
	Rth₅	1.806E-01 Ω				
	Rth ₆	5.956E-01 Ω			tth4 # Cth4	
	Rth ₇	6.723E-02 Ω	لر	L Y	.	
			(P	ר (י		
					ths Cths	
				[F	tithe Cth6	
				[]P	tth7 Cth7	
Part:	BUK7Y3R5-40E					
Date:	17/4/2013					
Model Rth	0.90 K/W	1		_		