

Thermal RC network (Foster)

SPICE thermal model

BUK7K8R7-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	2.84	K/W
	Cth ₁	2.695E-05 F		Ŷ \$		
	Cth ₂	1.471E-04 F		 1	\neg	
	Cth ₃	2.047E-04 F		ا ج		
	Cth ₄	9.149E-04 F			kth1 + Cth1	
	Cth ₅	3.724E-03 F		l l'		
	Cth ₆	4.432E-03 F				
	Cth ₇	1.513E-01 F		l f	_	
				F	ith2 💳 Cth2	
				ᆫ	-	
	Rth₁	3.337E-03 Ω				
	Rth ₂	7.854E-03 Ω		▎ ┌╻	iths 📥 Cth3	
	Rth ₃	4.778E-02 Ω		ļ Џ.		
	Rth ₄	1.011E-01 Ω			•	
	Rth ₅	3.141E-01 Ω		l K	•	
	Rth ₆	1.966E+00 Ω		F	8th4 ‡ Cth4	
	Rth ₇	4.039E-01 Ω		느 노		
			(F	·) [-	
				ſ́∫	iths + Cths	
				│	~ T Cm5	
					•	
				l 4	•	
				F	ithe 🗯 Cth6	
				ㅣ		
						
				一门。		
				୲	tth7 = Cth7	
						
Part:	BUK7K8R7-40E					
Date:	20/3/2013					
Rth	2.84 K/W	V				
				ten	nb	
				٧		