

Thermal RC network (Foster)

SPICE thermal model

BUK9Y4R4-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	1.02	K/W
	Cth ₁	4.600E-05 F		∱ ┪		
	Cth ₂	3.048E-04 F	ı	 1	\neg	
	Cth ₃	3.403E-04 F				
	Cth ₄	2.544E-03 F		F	tth1 #Cth1	
	Cth ₅	4.385E-03 F		닏		
	Cth ₆	1.298E-02 F		_		
	Cth ₇	1.537E-01 F		一	L	
					tth2 = Cth2	
				_ T_		
	Rth₁	1.861E-03 Ω				
	Rth ₂	3.756E-03 Ω			tth3 📥 Cth3	
	Rth ₃	2.584E-02 Ω		ļ Ļ	T 34.3	
	Rth ₄	4.203E-02 Ω		_	1	
	Rth ₅	2.149E-01 Ω		l f		
	Rth ₆	6.556E-01 Ω		F	tth4 = Cth4	
	Rth ₇	7.773E-02 Ω		느 노	.	
			(F	' / _		
					ths + Cths	
				Π.		
				_	+	
					•	
					the 🗯 Cth6	
				닌		
				_		
				门。	Hh ~	
				│	tth7 = Cth7	
				_	┩—	
Part:	BUK9Y4R4-40E					
Date:	25/1/2013					
Rth	1.02 K/W	1		•		
				√ t _{en}	nb	
				v		