

Thermal RC network (Foster)

SPICE thermal model

BUK7M6R3-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	1.89	K/W
	Cth ₁	2.419E-05 F		夕	4.	
	Cth ₂	2.167E-04 F			<u>tj</u>	
	Cth ₃	3.323E-04 F				
	Cth ₄	2.213E-03 F			Rth ₁ + Cth	_
	Cth ₅	3.420E-03 F			┙ ┈┈╴┬ ╺┈	1
	Cth ₆	6.196E-03 F				
	Cth ₇	2.541E-02 F				
	Cth ₈	4.000E+01 F			Rth2 + Cth	2
	Rth ₁	2.335E-03 Ω				
	Rth ₂	4.887E-03 Ω] [┧ │	
	Rth ₃	2.084Ε-02 Ω			Rth3 + Cth	3
	Rth ₄	4.805E-02 Ω		'	┖┯╜	
	Rth ₅	3.344E-01 Ω				
	Rth ₆	1.432E+00 Ω			Rth4 + Cth	4
	Rth ₇	3.993E-02 Ω			J 4 T 0	4
	Rth ₈	7.333E-03 Ω	((P)		
				\bigvee ,	5	
					Rth ₅ + Cth	5
				r	5	
					Rth ₆ + Cth	6
					ᆫ	
					Rth7 + Cth	7
					┙ ┈″ ᆍ ╺┉	<i>(</i>
Part:	BUK7M6R3-40E				- -	
					Rth8 = Cth	В
Date:	3/3/2016			L		
Model Rth	1.89 K/W			L		
				$\stackrel{\wedge}{T}$	t _{amb}	
				•	001aal76	8