

Thermal RC network (Foster)

SPICE thermal model

BUK7E2R3-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
$R_{ ext{th(j-mb)}}$	thermal resistance from junction to mounting base		-	-	0.52	K/W
	Cth ₁	2.085E-04 F		夕	4.	
	Cth ₂	1.582E-03 F			tj	
	Cth ₃	1.124E-03 F				
	Cth ₄	4.066E-03 F			Rth ₁ + Cth	
	Cth ₅	1.379E-02 F			┙ ┈┈╴┯ ╺┉	רי
	Cth ₆	2.696E-02 F				
	Cth ₇	6.892E-01 F		Г	ς • Τ	
	Cth ₈	1.806E+02 F			Rth ₂ + Cth	2
	Rth ₁	4.200E-04 Ω				
	Rth ₂	8.136E-04 Ω		Г	<u>ጎ</u>	
	Rth ₃	9.132E-03 Ω			Rth3 + Cth	13
	Rth ₄	2.352E-02 Ω			┖┿╜	
	Rth ₅	8.209E-02 Ω		_		
	Rth ₆	3.277E-01 Ω			Rth4 + Cth	14
	Rth ₇	7.932E-02 Ω			J	'4
	Rth ₈	8.874E-04 Ω	((P)		
				\bigvee ,	5	
					Rth ₅ = Cth	5
				L L	┸—	
					JRth6	16
					Rth7 + Cth	17
				L	<u></u>	•
Part:	BUK7E2R3-40E			ſ	ጎ	
					Rth8 + Cth	8
Date:	11/4/2013			'		
Rth	0.52 K/W			<u> </u>		
				$\stackrel{\wedge}{\vdash}$	t _{amb}	
					001aal76	88