

Thermal RC network (Foster)

SPICE thermal model

BUK7E1R6-30E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.43	K/W
	Cth ₁	2.727E-04 F		A	4	
	Cth ₂	1.961E-03 F			<u>tj</u>	
	Cth ₃	1.472E-03 F				
	Cth ₄	5.515E-03 F				
	Cth ₅	1.889E-02 F			JRth1 † Cth	1
	Cth ₆	3.370E-02 F				
	Cth ₇	7.373E-01 F			←	
	Cth ₈	2.812E+02 F			Rth2 + Cth	2
	Rth ₁	3.269E-04 Ω				
	Rth ₂	6.428E-04 Ω		l r	<u>ነ</u> ነ	
	Rth ₃	7.505E-03 Ω			Rth3 = Cth	3
	Rth ₄	1.817E-02 Ω				
	Rth ₅	6.176E-02 Ω				
	Rth ₆	2.678Ε-01 Ω			Rth4 + Cth	A
	Rth ₇	7.287E-02 Ω			J T 9(
	Rth ₈	6.467E-04 Ω	((P)		
				\bigvee \bigcap	┧_ ゛┃	
					Rth ₅ + Cth	5
				'		
					Rth ₆ + Cth	6
				l l	J T 9"	0
					5	
					Rth7 + Cth	7
Part:	BUK7E1R6-30E					
ui i.	DOM E INO-OUE				Rth8 + Cth	ρ
Date:	11/4/2013					J
Rth	0.43 K/W	1				
				Ţ	t _{amb}	
				V	001aal76	Ω