

Thermal RC network (Foster)

SPICE thermal model

BUK9E4R4-80E

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 † Cth1	
	Cth ₆	3.370E-02 F				
	Cth ₇	7.373E-01 F				
	Cth ₈	2.812E+02 F			Rth ₂ + Cth ₂	2
	Rth₁	3.269E-04 Ω				
	Rth ₂	6.428E-04 Ω		l [「 」	
	Rth ₃	7.505E-03 Ω			Rth3 = Cth3	3
	Rth ₄	1.817E-02 Ω			┸┯╜	
	Rth ₅	6.176E-02 Ω				
	Rth ₆	2.678E-01 Ω			Rth4 + Cth4	Ī
	Rth ₇	7.287E-02 Ω				•
	Rth ₈	6.467E-04 Ω	((P)		
				\bigvee ,	5	
					Rth5 + Cth5	;
				L	ᅺᆃᅴ	
					Rth ₆ + Cth ₆	
)
					5	
					Rth7 = Cth7	,
					ᆫ	
Dout	DUIZOE 4D 4 00F					
Part:	BUK9E4R4-80E				Rth8 + Cth8	•
Date:	11/4/2013					•
Rth	0.43 K/W	,				
	20				t _{amb}	
				V	001aal768	3