

Thermal RC network (Foster)

SPICE thermal model

BUK768R3-60E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	1.09	K/W
	Cth ₁	7.777E-05 F		\triangle	4	
	Cth ₂	5.590E-04 F			<u>tj</u>	
	Cth ₃	4.173E-04 F				
	Cth ₄	1.668E-03 F				
	Cth ₅	4.591E-03 F			」Rth₁ 井 Cth₁	
	Cth ₆	1.183E-02 F				
	Cth ₇	5.894E-01 F				
	Cth ₈	6.237E+01 F			Rth2 + Cth2	2
	Rth₁	1.138E-03 Ω				
	Rth ₂	2.238Ε-03 Ω			5	
	Rth ₃	2.653E-02 Ω			Rth3 = Cth	3
	Rth ₄	6.359E-02 Ω		'	┸ ┯ ┛	
	Rth ₅	2.437E-01 Ω				
	Rth ₆	6.823E-01 Ω			Rth4 + Cth	
	Rth ₇	9.785Ε-02 Ω				•
	Rth ₈	3.577E-03 Ω		(P)		
				\bigvee ,	5	
					Rth5 = Cthe	5
					ᆫ	
					$\int_{Btho} \bot_{Ctho}$	_
					JRth6	5
					5	
					Rth7 = Cth7	,
					ᆫ	
	D					
Part:	BUK768R3-60E				Rth8 + Cth8	
Date:	11/4/2013				J````` T ````	•
Model Rth	1.12 K/W					
	1.12 1000				t _{amb}	
				∇		3
				V	001aal768	3