

Thermal RC network (Foster)

SPICE thermal model

BUK761R7-40E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.46	K/W
	Cth ₁	2.404E-04 F		\triangle	4	
	Cth ₂	1.735E-03 F			<u>tj</u>	
	Cth ₃	1.299E-03 F				
	Cth ₄	4.873E-03 F				
	Cth ₅	1.648E-02 F			JRth1 † Cth1	
	Cth ₆	2.996E-02 F				
	Cth ₇	6.007E-01 F			<u>-</u>	
	Cth ₈	1.529E+02 F			Rth2 + Cth2	<u> </u>
				1		
	Rth ₁	3.714E-04 Ω				
	Rth ₂	7.331E-04 Ω			<u> </u>	
	Rth ₃	8.493E-03 Ω			Rth3 + Cth3	}
	Rth ₄	2.053E-02 Ω				
	Rth ₅	6.988E-02 Ω				
	Rth ₆	2.879E-01 Ω			Rth4 + Cth4	_
	Rth ₇	8.385E-02 Ω			┦ <u>`</u>	
	Rth ₈	1.433E-03 Ω		(P)		
				\bigvee	┧ │	
					Rth5 + Cth5	,
						
					Rth ₆ + Cth ₆	•
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					「 」	
					Rth7 + Cth7	,
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Part:	BUK761R7-40E					
uit.	DONTOTINT-40L				Rth8 + Cth8	!
Date:	11/4/2013					•
Model Rth	0.47 K/W					
					t _{amb}	
				V	001aal768	}
					001aal768	}