

Thermal RC network (Foster)

SPICE thermal model

BUK7K5R6-30E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	2.36	K/W
	Cth₁	3.575E-05 F		Δ		
	Cth ₂	1.981E-04 F			<u>tj</u>	
	Cth ₃	2.706E-04 F				
	Cth ₄	1.210E-03 F				
	Cth ₅	4.930E-03 F			Rth1 + Cth1	
	Cth ₆	5.951E-03 F				
	Cth ₇	1.357E-01 F			ς • Τ	
	Cth ₈	6.011E+01 F			Rth ₂ + Cth ₂	
	Rth ₁	2.533E-03 Ω				
	Rth ₂	5.928E-03 Ω		r	←	
	Rth ₃	3.577E-02 Ω			Rth3 = Cth3	
	Rth₄	7.656E-02 Ω		L		
	Rth ₅	2.422Ε-01 Ω				
	Rth ₆	1.553Ε+00 Ω			$\bigcap_{Dth_{A}} \perp_{Cth_{A}}$	
	Rth ₇	4.394Ε-01 Ω			Rth4 + Cth4	
	Rth ₈	3.829Ε-03 Ω	((P)		
			· ·	$\stackrel{\cdot}{\smile}$,	←	
					Rth5 = Cth5	
				l l	└	
					$\int_{\mathbf{B}_{\mathbf{b}_{\mathbf{a}}}} \mathbf{\perp}_{\mathbf{a}_{\mathbf{b}_{\mathbf{a}}}}$	
					Rth ₆ + Cth ₆	
					←	
					Rth7 = Cth7	
				l l		
	B. 11/21/22 - 22 - 2					
Part:	BUK7K5R6-30E				Rth8 + Cth8	
Date:	20/3/2013				」```'''。	
Rth	2.36 K/W					
IXUI	2.30 K/W			1	t _{amb}	
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					22.44,,00	