

Thermal RC network (Foster)

SPICE thermal model

BUK7M17-80F

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	1.89	K/W
	Cth ₁	2.419E-05 F		夕	4.	
	Cth ₂	2.167E-04 F			t _j	
	Cth ₃	3.323E-04 F				
	Cth ₄	2.213E-03 F			Rth ₁ + Cth	
	Cth ₅	3.420E-03 F			」\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	11
	Cth ₆	6.196E-03 F			—	
	Cth ₇	2.541E-02 F			ς • Τ	
	Cth ₈	4.000E+01 F			Rth ₂ = Cth	12
				L		
	Rth ₁	2.335E-03 Ω				
	Rth ₂	4.887E-03 Ω		Г	ጎ 上	
	Rth ₃	2.084E-02 Ω			Rth3 + Cth	13
	Rth ₄	4.805E-02 Ω				
	Rth ₅	3.344E-01 Ω			<u>ͺ</u>	
	Rth ₆	1.432E+00 Ω			Rth4 + Cth	14
	Rth ₇	3.993E-02 Ω			٠ T	7
	Rth ₈	7.333E-03 Ω	((P)		
				\mathcal{T}	<u>ነ</u> ነ	
					Rth5 = Cth	15
				'		
				_		
					Rth ₆ + Cth	
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				Г	5	
					Rth7 = Cth	7
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Dowl.	DI 11/71/47 005					
Part:	BUK7M17-80E				Rth8 + Cth	10
Date:	9/5/2016			L	/` ````` 	סי
Jale: Model Rth	9/5/2016 1.89 K/W			_		
NOUGI IXIII	1.09 K/W				t _{amb}	
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