

Thermal RC network (Foster)

SPICE thermal model

BUK7K89-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	3.96	K/W
	Cth ₁	1.632E-05 F		夕	4.	
	Cth ₂	9.043E-05 F			<u>tj</u>	
	Cth ₃	1.237E-04 F				
	Cth ₄	5.440E-04 F			Rth1 + Cth1	
	Cth ₅	2.462E-03 F			J'``''' T C'''1	
	Cth ₆	2.636E-03 F				
	Cth ₇	1.699E-01 F		l r	←	
	Cth ₈	2.276E+02 F			Rth2 + Cth2	2
	Rth₁	5.513E-03 Ω				
	Rth ₂	1.304E-02 Ω		l [<u>ነ</u> ነ	
	Rth ₃	7.719E-02 Ω			Rth3 = Cth3	}
	Rth ₄	1.770E-01 Ω		'		
	Rth ₅	5.109E-01 Ω		_		
	Rth ₆	2.852E+00 Ω			Rth4 + Cth4	1
	Rth ₇	3.205E-01 Ω			J 4 T 02	•
	Rth ₈	7.015E-04 Ω	((P)		
			·	\bigvee ,	5	
					Rth5 = Cth5	i
					ᅺᆃᅴ	
					$\int_{Btho} \bot_{Oth}$	
					JRth6	j
				Г	5	
					Rth7 = Cth7	,
				l l	ᆚᅟ	
Part:	BUK7K89-100E				↑ _{Btho}	
2-4	00/0/2242				Rth8 + Cthe	3
Date:	20/3/2013	1				
Rth	3.96 K/W	1		—	 tb	
				\Diamond	t _{amb} <i>001aal768</i>	•
					UU I AAI / 00	,