

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7Y22-100E

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	-	1.02	K/W
	Cth <sub>1</sub>	4.600E-05 F		<b>∱</b> ┪		
	Cth <sub>2</sub>	3.048E-04 F	ı	<del></del>	$\neg$	
	Cth <sub>3</sub>	3.403E-04 F			<del></del>	
	Cth <sub>4</sub>	2.544E-03 F		F	tth1 #Cth1	
	Cth <sub>5</sub>	4.385E-03 F		닏		
	Cth <sub>6</sub>	1.298E-02 F		_		
	Cth <sub>7</sub>	1.537E-01 F		一		
					ttn2 = Cth2	
				_ T_	<b>-</b>	
	Rth <sub>1</sub>	1.861E-03 Ω			<del></del>	
	Rth <sub>2</sub>	3.756E-03 Ω			tth3 📥 Cth3	
	Rth <sub>3</sub>	2.584E-02 Ω		ļ Ļ	T 33	
	Rth <sub>4</sub>	4.203E-02 Ω		_	1	
	Rth <sub>5</sub>	2.149E-01 Ω		l f		
	Rth <sub>6</sub>	6.556E-01 Ω		F	tth4 = Cth4	
	Rth <sub>7</sub>	7.773E-02 Ω		느 보	<b>-</b>	
			( F	<b>'</b> / _	<del></del>	
					ths +Cths	
				μ.	~~ <b>—</b> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
				_	<b>†</b>	
					•	
					tthe 💳 Cth6	
				닏		
				_	<del>-</del>	
					Hha — All	
				∐「	tth7 🕇 Cth7	
					<b>-</b>	
Part:	BUK7Y22-100E					
Date:	25/1/2013					
Rth	1.02 K/W	1		+		
				√ t <sub>an</sub>	nb	
				v		