

Thermal RC network (Foster)

SPICE thermal model

PSMN1R0-40YLD

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	0.51	K/W
	Cth ₁	9.345E-05 F		Ŷ \$		
	Cth ₂	6.367E-04 F	1	 1		
	Cth ₃	6.610E-04 F		4		
	Cth ₄	5.770E-03 F			tth1 #Cth1	
	Cth ₅	1.081E-02 F		Ų	.	
	Cth ₆	2.086E-02 F				
	Cth ₇	4.517E-01 F		ф	_	
					th2 = Cth2	
				닌	-	
	Rth ₁	8.609E-04 Ω			-	
	Rth ₂	1.439E-03 Ω			th3 📥 Cth3	
	Rth ₃	1.255E-02 Ω		ή.	- Cuis	
	Rth ₄	1.844E-02 Ω		_	↑	
	Rth ₅	7.643E-02 Ω		4	•	
	Rth ₆	3.735E-01 Ω			tth4 = Cth4	
	Rth ₇	2.697E-02 Ω	لىر	╮ Ľ		
			(F	' / -		
			T	´	4.	
					ths = Cths	
					+	
				4	-	
					the ‡ Cth6	
				닏		
				占_	.	
					th7 = Cth7	
				<u> </u>	+	
D4-	DOMNIADO 402// D					
Part:	PSMN1R0-40YLD					
Data:	10/6/2014					
Date: Model Rth	10/6/2014 0.51 K/W			_		
VIOUEI IXIII	0.31 K/VV		•		— sh	