ne<mark>x</mark>peria

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In data sheets and application notes which still contain NXP or Philips Semiconductors references, use the references to Nexperia, as shown below.

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If you have any questions related to the data sheet, please contact our nearest sales office via e-mail or telephone (details via **salesaddresses@nexperia.com**). Thank you for your cooperation and understanding,

Kind regards,

Team Nexperia



Thermal RC network (Foster)

SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.51	K/W
	Cth ₁	9.345E-05 F		4 t		
	Cth ₂	6.367E-04 F	Г		7	
	Cth ₃	6.610E-04 F		<u>ب</u>	- -	
	Cth ₄	5.770E-03 F		F	tth1 🛨 Cth1	
	Cth ₅	1.081E-02 F		닏		
	Cth ₆	2.086E-02 F		_		
	Cth ₇	4.517E-01 F		<u></u> ф_	<u> </u>	
					th2 = Cth2	
				T_	- 	
	Rth ₁	8.609E-04 Ω		<u>ل</u>	- •	
	Rth ₂	1.439E-03 Ω		F	ths 📥 Cths	
	Rth ₃	1.255E-02 Ω		닌		
	Rth ₄	1.844E-02 Ω		_		
	Rth ₅	7.643E-02 Ω		́П,		
	Rth ₆	3.735E-01 Ω		F	$th_4 = Cth_4$	
	Rth ₇	2.697Ε-02 Ω	(P		_ _	
					- •	
				F	$th_5 \doteq Cth_5$	
				닏		
				_	_ _	
				<u>́</u> п_	<u> </u>	
				F	the = Cthe	
				Ľ	_ q l	
				<u>ب</u>	- •	
				F	8th7 📥 Cth7	
				Ļ		
					1	
Part:	PSMN1R0-40YLD					
Date:	10/6/2014					
Model Rth	0.51 K/W		L	• •	 _ b	
				√ t _{an}	no	

www.nxp.com

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