## nexperia

## **Thermal RC network (Foster)**

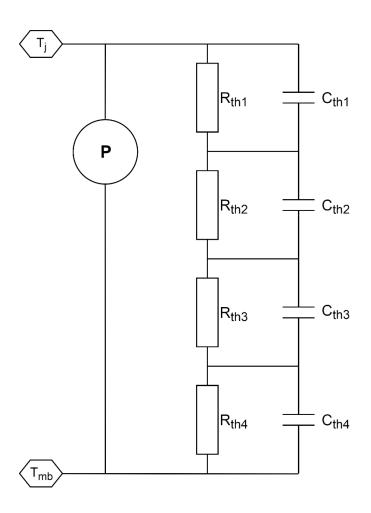
## PSMN1R1-30YLE

## SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit	
Rth(j-mb)	thermal resistance		-	-	0.78	K/W	
	from junction to						
	mounting base						

Cth1	2.328780E-2	F	Rth1	4.856750E-1	Ω
Cth2	1.303400E-2	F	Rth2	1.909760E-1	Ω
Cth3	1.441390E-4	F	Rth3	1.940390E-2	Ω
Cth4	1.538400E-3	F	Rth4	8.052180E-2	Ω

Part Name: Date: PSMN1R1-30YLE 11 October 2022



www.nexperia.com © 2019 Nexperia

All rights reserved. Reproduction in whole or in part is prohibited without prior consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of it's use. Publication thereof does not convey or imply any license under patent or other industrial or intellectual property rights.