nexperia

Thermal RC network (Foster)

DSMN1D9-40VI C

SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹ _{th(j-mb)}	thermal resistance from junction to mounting base		-	-	0.55	K/W
	Cth ₁	1.408E-04 F		个 t _j		
	Cth ₂	3.709E-04 F		- • ^		
	Cth ₃	7.568E-04 F			7	
	Cth ₄	2.507E-03 F		Rth1	$+ Cth_1$	
	Cth ₅	2.205E-02 F		ų.		
	Cth ₆	1.495E-02 F			_	
	Cth ₇	1.256E+03 F		Ь		
				Rth2	Cth ₂	
				۲ <u>+</u>		
	Rth₁	7.522Ε-04 Ω		_ _	-	
	Rth ₂	3.012E-03 Ω		Rth3	Cth ₃	
	Rth ₃	1.334E-02 Ω		L		
	Rth ₄	2.959Ε-02 Ω		f		
	Rth₅	5.658E-02 Ω		+		
	Rth ₆	4.467E-01 Ω		Rth4	Cth ₄	
	Rth ₇	4.125E-05 Ω	\rightarrow	ų.		
			(P)		_	
			\downarrow	<u>́</u> п	\perp	
				Rth5	Cth ₅	
				۲. ۲.		
					-	
				Rthe		
				Ц		
				†		
				f		
				Rth7	Cth7	
				ų.		
Part:	PSMN1R8-40YLC					
Date:	21/11/2017					
Model Rth	0.55 K/W			+		
				↓ t _{amb}		

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