nexperia

Thermal RC network (Foster)

DSMN1P0-40ULD

SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
₹th(j-mb)	thermal resistance from junction to mounting base		-	-	0.63	K/W
	Cth ₁	1.468E-04 F		个tj		
	Cth ₂	3.613E-04 F		- • -'		
	Cth ₃	7.017E-04 F			7	
	Cth ₄	3.463E-03 F		Rth ₁	Cth ₁	
	Cth ₅	1.044E-02 F		ų.	'	
	Cth ₆	1.740E-02 F			_	
	Cth ₇	2.037E+00 F				
				Rth2	Cth ₂	
				۲ <u>+</u>		
	Rth ₁	7.553E-04 Ω			7	
	Rth ₂	3.197E-03 Ω		Rth3		
	Rth ₃	1.341E-02 Ω		L		
	Rth ₄	2.707E-02 Ω				
	Rth ₅	9.731E-02 Ω		<u>г</u>	7	
	Rth ₆	4.781E-01 Ω		Rth ₄	Cth ₄	
	Rth ₇	1.021E-02 Ω	\leftarrow	↓ ↓		
			(P)	_	-	
			\uparrow			
					Cth ₅	
				₋₋₄	7	
				Rth6	Cth ₆	
				Υ.		
					_	
				h		
				Rth7	Cth7	
				۲		
Part:	PSMN1R0-40ULD					
Date:	26/2/2018					
Model Rth	0.63 K/V	V		t _{amb}		

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