

## Thermal RC network (Foster)

## SPICE thermal model

## PSMN2R4-30YI D

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	1.42	K/W
	Cth <sub>1</sub>	8.855E-05 F		Δ		
	Cth <sub>2</sub>	1.238E-04 F			<u>tj</u>	
	Cth <sub>3</sub>	2.776E-04 F				
	Cth <sub>4</sub>	1.229E-03 F			1 <sub>545</sub> , $\perp$	
	Cth <sub>5</sub>	6.494E-03 F			」Rth1 <b>十</b> Cth	1
	Cth <sub>6</sub>	6.607E-03 F				
	Cth <sub>7</sub>	4.347E-01 F				
	Cth <sub>8</sub>	4.361E+01 F			Rth2 + Cth	2
	Rth₁	1.326E-03 Ω				
	Rth <sub>2</sub>	8.246E-03 Ω			5	
	Rth <sub>3</sub>	3.220E-02 Ω			Rth3 = Cth	3
	Rth <sub>4</sub>	7.027E-02 Ω		L	┸ <b>┯</b> ┛	
	Rth <sub>5</sub>	1.885E-01 Ω				
	Rth <sub>6</sub>	9.966Ε-01 Ω			Rth4 + Cth	
	Rth <sub>7</sub>	1.176E-01 Ω				4
	Rth <sub>8</sub>	5.289E-03 Ω	(	(P)		
			·	Ý ,	5	
					Rth5 = Cth	5
				L		
						_
					JRth6	6
					5	
					Rth7 = Cth	7
				L	ᆫ	
	DOM 10D : " -					
Part:	PSMN2R4-30YLD				Rth8 + Cth	
ate:	17/11/2015				ᆛ <b>``¨'゜ᅮ</b> ┖ᠮᠬ	שׁ
lodel Rth	1.42 K/W					
IOGGI IXIII	1. <del>7</del> 2 N/W				t <sub>amb</sub>	
				$\triangle$	-amb 001aal76	