

Thermal RC network (Foster)

SPICE thermal model

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
th(j-mb)	thermal resistance from junction to mounting base		-	-	2.36	K/W
	Cth ₁	3.575E-05 F		Ą	t:	
	Cth ₂	1.981E-04 F		_ 	tj	
	Cth ₃	2.706E-04 F			<u></u>	
	Cth ₄	1.210E-03 F			Rth1 + Cth	1
	Cth ₅	4.930E-03 F		L	יייין דיי ני	1
	Cth ₆	5.951E-03 F				
	Cth ₇	1.357E-01 F		Г	$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix}$	
	Cth ₈	6.011E+01 F			$\int Rth_2 + Cth$	2
	Rth₁	2.533E-03 Ω				
	Rth ₂	5.928E-03 Ω		Г	\neg	
	Rth ₃	3.577E-02 Ω			Rth3 茾 Cth	3
	Rth ₄	7.656Ε-02 Ω		L	╧╼╴╴	
	Rth ₅	2.422Ε-01 Ω				
	Rth ₆	1.553E+00 Ω			Rth4 📥 Cth	
	Rth ₇	4.394E-01 Ω				4
	Rth ₈	3.829E-03 Ω	((P)		
			Ň	\checkmark	└─ ◆───	
					$\int Rth_5 + Cth$	5
				[
					$\int Rth_6 + Cth$	6
						
				- r	۲	
					Rth7 📥 Cth	7
				L	┙	
Part:	BUK9K32-100E					0
ate:	20/3/2013					0
th	2.36 K/W	,				
				Ţ	t _{amb}	
				\checkmark	001aal76	8

www.nxp.com

© 2009 NXP B.V.

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.