

## Thermal RC network (Foster)

## **SPICE thermal model**

## BUK953R2-40E

Symbol R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base		-	Typ -	0.64	K/W
	Cth <sub>1</sub>	1.572E-04 F		$\triangle$		
	Cth <sub>2</sub>	1.124E-03 F			<u>tj</u>	
	Cth <sub>3</sub>	8.462E-04 F				
	Cth <sub>4</sub>	3.272E-03 F			↑ <sub>₽₩</sub> , ⊥	
	Cth <sub>5</sub>	1.019E-02 F			」Rth1 <b>十</b> Cth1	
	Cth <sub>6</sub>	2.118E-02 F				
	Cth <sub>7</sub>	5.698E-01 F			<del></del>	
	Cth <sub>8</sub>	1.813E+02 F			Rth <sub>2</sub> + Cth <sub>2</sub>	
	Rth₁	5.654E-04 Ω				
	Rth <sub>2</sub>	1.114E-03 Ω			5	
	Rth <sub>3</sub>	1.315E-02 Ω			Rth3 + Cth3	
	Rth <sub>4</sub>	3.159E-02 Ω			┸┯╜	
	Rth <sub>5</sub>	1.138E-01 Ω				
	Rth <sub>6</sub>	3.999E-01 Ω			Rth4 + Cth4	
	Rth <sub>7</sub>	9.381E-02 Ω			J <b>4</b> T 9 <b>4</b>	
	Rth <sub>8</sub>	1.005E-03 Ω		( P )		
				$\bigvee$ ,	5	
					Rth <sub>5</sub> = Cth <sub>5</sub>	
					┸┯┙	
					Rth <sub>6</sub> + Cth <sub>6</sub>	
					_	
					Rth7 + Cth7	
				'	┸╇┷┙	
Part:	BUK953R2-40E					
ail.	DUN900NZ-4UE				Rth8 + Cth8	
Date:	17/4/2013					
Model Rth	0.65 K/W					
					t <sub>amb</sub>	
				V	001aal768	<b>!</b>