

## SPICE thermal model

BUK9K89-100E

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
$R_{th(j-mb)}$	thermal resistance from junction to mounting base		-	-	3.96	K/W

$C_{th1}$	1.632E-05 F
$C_{th2}$	9.043E-05 F
$C_{th3}$	1.237E-04 F
$C_{th4}$	5.440E-04 F
$C_{th5}$	2.462E-03 F
$C_{th6}$	2.636E-03 F
$C_{th7}$	1.699E-01 F
$C_{th8}$	2.276E+02 F
$R_{th1}$	5.513E-03 $\Omega$
$R_{th2}$	1.304E-02 $\Omega$
$R_{th3}$	7.719E-02 $\Omega$
$R_{th4}$	1.770E-01 $\Omega$
$R_{th5}$	5.109E-01 $\Omega$
$R_{th6}$	2.852E+00 $\Omega$
$R_{th7}$	3.205E-01 $\Omega$
$R_{th8}$	7.015E-04 $\Omega$



Part: BUK9K89-100E  
 Date: 20/3/2013  
 $R_{th}$  3.96 K/W