

## SPICE thermal model

BUK7K25-40E

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
$R_{th(j-mb)}$	thermal resistance from junction to mounting base		-	-	4.68	K/W

$C_{th1}$	1.267E-05 F
$C_{th2}$	6.746E-05 F
$C_{th3}$	9.693E-05 F
$C_{th4}$	4.239E-04 F
$C_{th5}$	1.921E-03 F
$C_{th6}$	2.081E-03 F
$C_{th7}$	7.455E-02 F
$C_{th8}$	4.773E+00 F
$R_{th1}$	7.020E-03 $\Omega$
$R_{th2}$	1.675E-02 $\Omega$
$R_{th3}$	1.023E-01 $\Omega$
$R_{th4}$	2.229E-01 $\Omega$
$R_{th5}$	6.814E-01 $\Omega$
$R_{th6}$	3.349E+00 $\Omega$
$R_{th7}$	2.648E-01 $\Omega$
$R_{th8}$	3.995E-02 $\Omega$



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Part: BUK7K25-40E  
 Date: 20/3/2013  
 Rth 4.68 K/W