

## SPICE thermal model

BUK655R0-75C

| Symbol         | Parameter   | Conditions | Min | Typ | Max  | Unit |
|----------------|---|------------|-----|-----|------|------|
| $R_{th(j-mb)}$ | thermal resistance from junction to mounting base |            | -   | -   | 0.57 | K/W  |

|           |                    |
|-----------|--------------------|
| $C_{th1}$ | 5.200E-02 F        |
| $C_{th2}$ | 1.200E-02 F        |
| $C_{th3}$ | 3.612E-03 F        |
| $C_{th4}$ | 1.105E-03 F        |
| $C_{th5}$ | 3.380E-04 F        |
| $C_{th6}$ | 1.034E-04 F        |
| $C_{th7}$ | 3.164E-05 F        |
| $C_{th8}$ | 9.678E-06 F        |
| $R_{th1}$ | 4.200E-01 $\Omega$ |
| $R_{th2}$ | 1.190E-01 $\Omega$ |
| $R_{th3}$ | 2.500E-02 $\Omega$ |
| $R_{th4}$ | 5.169E-03 $\Omega$ |
| $R_{th5}$ | 1.078E-03 $\Omega$ |
| $R_{th6}$ | 2.248E-04 $\Omega$ |
| $R_{th7}$ | 4.687E-05 $\Omega$ |
| $R_{th8}$ | 9.775E-06 $\Omega$ |



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Part: BUK655R0-75C  
 Version: 1  
 Date: 7-7-2010  
 Rth: 0.570435212