

SPICE thermal model

BUK9K5R6-30E

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|----------------|---------------------------------------------------|------------|-----|-----|------|------|
| $R_{th(j-mb)}$ | thermal resistance from junction to mounting base | | - | - | 2.36 | K/W |

| | |
|-----------|--------------------|
| C_{th1} | 3.575E-05 F |
| C_{th2} | 1.981E-04 F |
| C_{th3} | 2.706E-04 F |
| C_{th4} | 1.210E-03 F |
| C_{th5} | 4.930E-03 F |
| C_{th6} | 5.951E-03 F |
| C_{th7} | 1.357E-01 F |
| C_{th8} | 6.011E+01 F |
| R_{th1} | 2.533E-03 Ω |
| R_{th2} | 5.928E-03 Ω |
| R_{th3} | 3.577E-02 Ω |
| R_{th4} | 7.656E-02 Ω |
| R_{th5} | 2.422E-01 Ω |
| R_{th6} | 1.553E+00 Ω |
| R_{th7} | 4.394E-01 Ω |
| R_{th8} | 3.829E-03 Ω |



Part: BUK9K5R6-30E
 Date: 20/3/2013
 Rth 2.36 K/W