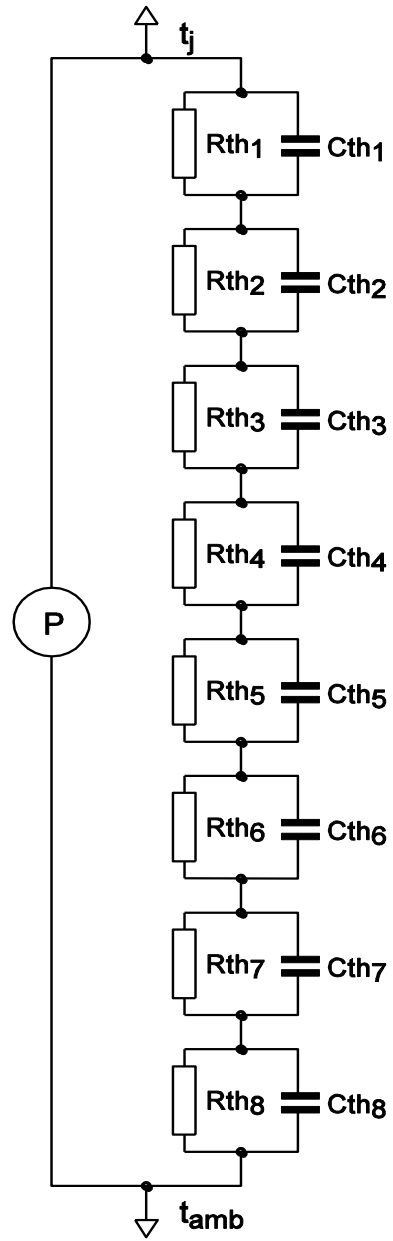


SPICE thermal model

BUK7M12-40E

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|----------------|---|------------|-----|-----|------|------|
| $R_{th(j-mb)}$ | thermal resistance from junction to mounting base | | - | - | 2.75 | K/W |

| | |
|-----------|--------------------|
| C_{th1} | 1.598E-05 F |
| C_{th2} | 1.754E-04 F |
| C_{th3} | 1.300E-04 F |
| C_{th4} | 8.034E-03 F |
| C_{th5} | 8.275E-04 F |
| C_{th6} | 6.710E-03 F |
| C_{th7} | 7.777E-02 F |
| C_{th8} | 8.620E+01 F |
| R_{th1} | 3.930E-03 Ω |
| R_{th2} | 6.913E-03 Ω |
| R_{th3} | 4.368E-02 Ω |
| R_{th4} | 1.751E-02 Ω |
| R_{th5} | 1.045E+00 Ω |
| R_{th6} | 1.260E+00 Ω |
| R_{th7} | 3.643E-01 Ω |
| R_{th8} | 3.262E-03 Ω |



Part: BUK7M12-40E
 Date: 3/3/2016
 Model Rth 2.75 K/W