# Thermal RC network (Foster)

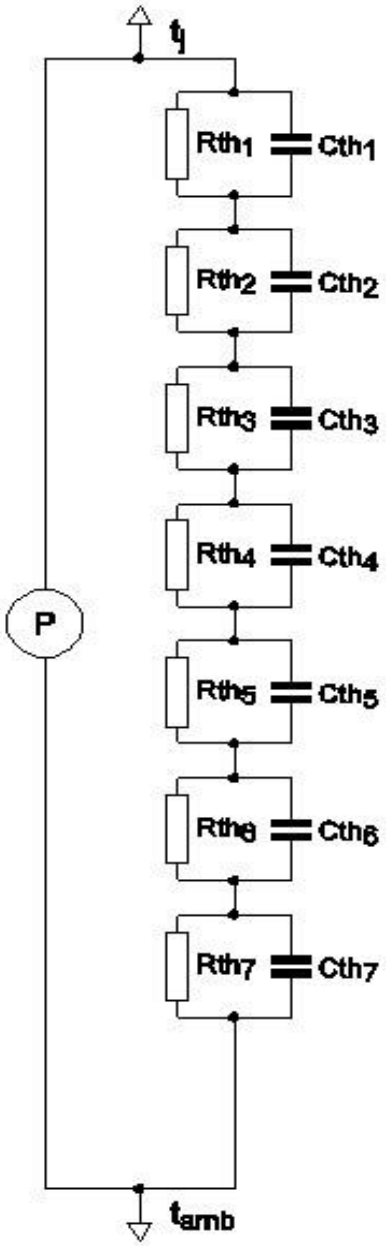
## SPICE thermal model

**PSMN4R1-60YL**

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| $R_{th(j-mb)}$ | thermal resistance from junction to mounting base | | - | - | 0.63 | K/W |

| | | |
|---|---|---|
| $Cth_1$ | 7.578E-05 | F |
| $Cth_2$ | 5.163E-04 | F |
| $Cth_3$ | 5.303E-04 | F |
| $Cth_4$ | 4.594E-03 | F |
| $Cth_5$ | 8.156E-03 | F |
| $Cth_6$ | 1.766E-02 | F |
| $Cth_7$ | 2.995E-01 | F |

| | | |
|---|---|---|
| $Rth_1$ | 1.090E-03 | Ω |
| $Rth_2$ | 1.835E-03 | Ω |
| $Rth_3$ | 1.563E-02 | Ω |
| $Rth_4$ | 2.408E-02 | Ω |
| $Rth_5$ | 1.003E-01 | Ω |
| $Rth_6$ | 4.443E-01 | Ω |
| $Rth_7$ | 4.209E-02 | Ω |




Part: PSMN4R1-60YL

Date: 2 / 3 / 2016

Rth 0.63 K/W

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Printed in the Netherlands