

Thermal RC network (Foster)

SPICE thermal model

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---|-------------|-----|-------------|----------------|------|
| ₹ _{th(j-mb)} | thermal resistance from junction to mounting base | | - | - | 0.69 | K/W |
| | | | | | | |
| | Cth ₁ | 6.502E-05 F | | <u>ት</u> ዓ | | |
| | Cth ₂ | 3.945E-04 F | Г | 1 | | |
| | Cth ₃ | 4.480E-04 F | | بل ا | - - | |
| | Cth ₄ | 4.016E-03 F | | F | tth1 🛨 Cth1 | |
| | Cth ₅ | 5.740E-03 F | | Ļ | | |
| | Cth ₆ | 1.664E-02 F | | _ | | |
| | Cth ₇ | 4.006E-01 F | | <u>́</u> ф_ | | |
| | | | | F | ₩12 = Cth2 | |
| | | | | T_ | _┩┘ | |
| | Rth ₁ | 1.258E-03 Ω | | <u>ب</u> | - 4 | |
| | Rth ₂ | 2.719E-03 Ω | | F | tha 📥 Ctha | |
| | Rth ₃ | 1.950E-02 Ω | | Ļ | | |
| | Rth ₄ | 2.537E-02 Ω | | _ | | |
| | Rth₅ | 1.480E-01 Ω | | ή_ | | |
| | Rth ₆ | 4.606E-01 Ω | | F | $th_4 = Cth_4$ | |
| | Rth ₇ | 3.247E-02 Ω | P | <u> </u> | _ _ | |
| | | | , C | / | - 4 | |
| | | | | F | $th_5 = Cth_5$ | |
| | | | | Ļ | | |
| | | | | | | |
| | | | | Ц | - | |
| | | | | F | the 🛨 Cthe | |
| | | | | 4 | _ _ | |
| | | | | ſ | _ 4 | |
| | | | | | th7 📥 Cth7 | |
| | | | | Ų. | | |
| | | | | | - f ' | |
| Part: | PSMN1R2-30YLD | | | | | |
| | | | | | | |
| Date: | 10/6/2014 | | | | | |
| Model Rth | 0.69 K/W | | L | | | |
| | | | | | nb | |
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