ne<mark>x</mark>peria

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If you have any questions related to the data sheet, please contact our nearest sales office via e-mail or telephone (details via **salesaddresses@nexperia.com**). Thank you for your cooperation and understanding,

Kind regards,

Team Nexperia



Thermal RC network (Foster)

SPICE thermal model

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---------------------------------------------------------|-------------|-----|----------|------------------|------|
| R _{th(j-mb)} | thermal resistance from junction to mounting base | | - | - | 3.22 | K/W |
| | | | | | | |
| | Cth ₁ | 1.039E-05 F | | Ą | 4. | |
| | Cth ₂ | 1.209E-04 F | | _ | tj | |
| | Cth ₃ | 1.012E-04 F | | | _ | |
| | Cth ₄ | 7.006E-04 F | | | Rth1 Cth | |
| | Cth ₅ | 9.345E-04 F | | | | 1 |
| | Cth ₆ | 6.477E-03 F | | | | |
| | Cth ₇ | 3.819E-02 F | | г | └ • _] | |
| | Cth ₈ | 4.371E+01 F | | | $Rth_2 = Cth_2$ | 2 |
| | Rth₁ | 6.351E-03 Ω | | | | |
| | Rth ₂ | 1.020E-02 Ω | | Г | | |
| | Rth ₃ | 8.185E-02 Ω | | | Rth3 Cth | 3 |
| | Rth ₄ | 1.526E-01 Ω | | | ᠮ᠊᠆᠊ᡨ | |
| | Rth ₅ | 9.039E-01 Ω | | | <u></u> | |
| | Rth ₆ | 1.374E+00 Ω | | | | 4 |
| | Rth ₇ | 6.843E-01 Ω | | L I | | + |
| | Rth ₈ | 7.108Ε-03 Ω | (| Р | | |
| | | | | Ţ | Rth5 + Cth | 5 |
| | | | | | | |
| | | | | | | 3 |
| | | | | L | | |
| | | | | ſ | | |
| | | | | l | Rth7 📥 Cth; | 7 |
| Part: | PSMN6R0-30YLD | | | [| | |
|)ate: | 17/11/2015 | | | | | 3 |
| lodel Rth | 3.22 K/W | | | _ | | |
| | | | | Ţ | t _{amb} | |
| | | | | V | 001aal768 | 8 |

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