

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 | | - | - | 1.43 | K/W |
| | | | | | | |
| | Cth ₁ | 3.218E-05 F | | <u>ት</u> • | | |
| | Cth ₂ | 1.930E-04 F | Г | 1 1 | 7 | |
| | Cth ₃ | 2.308E-04 F | | | - - | |
| | Cth ₄ | 2.046E-03 F | | R | $th_1 \neq Cth_1$ | |
| | Cth_5 | 2.359E-03 F | | Ļ | | |
| | Cth ₆ | 8.892E-03 F | | | | |
| | Cth ₇ | 1.080E-01 F | | <u>_</u> _ | | |
| | | | | | | |
| | Rth ₁ | 2.472Ε-03 Ω | | | | |
| | Rth ₂ | 5.082E-03 Ω | | | ths 📥 Ctha | |
| | Rth ₃ | 3.737E-02 Ω | | Ц'' | | |
| | Rth ₄ | 4.843E-02 Ω | | | • | |
| | Rth_5 | 2.843E-01 Ω | | 6 | • | |
| | Rth ₆ | 9.461E-01 Ω | | R | th4 = Cth4 | |
| | Rth ₇ | 1.088E-01 Ω | | _ 년 | _ _ | |
| | | | (Р | ר ר' | _ _ | |
| | | | T | ́ П. | ths + Cths | |
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| | | | | T_ | - - ' | |
| Part: | PSMN2R0-25YLD | | | | | |
| Date: | 21/3/2016 | | | | | |
| Model Rth | 1.43 K/W | | L | | | |
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