

Thermal RC network (Foster)

SPICE thermal model

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|--------------------|---|-------------|-----|--------------|---|----------|
| th(j-mb) | thermal resistance from junction to mounting base | | - | - | 0.43 | K/W |
| | | | | | | |
| | Cth ₁ | 2.727E-04 F | | Ą | t: | |
| | Cth ₂ | 1.961E-03 F | | _ | tj | |
| | Cth ₃ | 1.472E-03 F | | | _ | |
| | Cth ₄ | 5.515E-03 F | | | | 1 |
| | Cth ₅ | 1.889E-02 F | | L L | | 1 |
| | Cth ₆ | 3.370E-02 F | | | | |
| | Cth ₇ | 7.373E-01 F | | l r | $\mathbf{f} = \mathbf{f}$ | |
| | Cth ₈ | 2.812E+02 F | | | $\int Rth_2 + Cth_2$ | 2 |
| | Rth₁ | 3.269Ε-04 Ω | | | | |
| | Rth ₂ | 6.428E-04 Ω | | Г | \neg | |
| | Rth ₃ | 7.505E-03 Ω | | | Rth3 🕇 Cth; | 3 |
| | Rth ₄ | 1.817E-02 Ω | | L | ╧╺╾┙ | |
| | Rth₅ | 6.176E-02 Ω | | | _ | |
| | Rth ₆ | 2.678E-01 Ω | | | Rth4 + Cth | 4 |
| | Rth ₇ | 7.287E-02 Ω | | | | 4 |
| | Rth ₈ | 6.467E-04 Ω | (| (P) | | |
| | | | | \checkmark | $\neg \neg \neg \neg$ | |
| | | | | | Rth5 = Cth | 5 |
| | | | | L L | ╧╼ | |
| | | | | | | |
| | | | | | | ~ |
| | | | | | | Ď |
| | | | | | | |
| | | | | Г | $\neg \bullet \neg $ | |
| | | | | | Rth7 🚔 Cth | 7 |
| | | | | L | ┙ | |
| | | | | | _ | |
| 'art: | BUK952R8-60E | | | | | ` |
|)ata: | 17///2012 | | | | $\int Rth_8 + Cth_8$ | 5 |
| oate: Iodel Rth | 17/4/2013 0.43 K/W | | | | · • • · · · · · · · · · · · · · · · · · | |
| | 0.43 K/W | | | └── ↑ | tomh | |
| | | | | \diamond | t _{amb} 001aal76 | 0 |

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