

Thermal RC network (Foster)

SPICE thermal model

BUK968R3-40F

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------|---|-------------|-----|--------------------|---|------|
| th(j-mb) | thermal resistance from junction to mounting base | | - | - | 1.56 | K/W |
| | | | | | | |
| | Cth ₁ | 4.740E-05 F | | A | 1 | |
| | Cth ₂ | 3.573E-04 F | | | tj | |
| | Cth ₃ | 2.573E-04 F | | | | |
| | Cth ₄ | 9.872E-04 F | | | | |
| | Cth ₅ | 2.798E-03 F | | | JRth1 † Cth | 1 |
| | Cth ₆ | 7.463E-03 F | | | | |
| | Cth ₇ | 2.715E-01 F | | | | |
| | Cth ₈ | 3.781E+01 F | | | Rth ₂ + Cth | 2 |
| | | | | L | | |
| | Rth ₁ | 1.715E-03 Ω | | | | |
| | Rth ₂ | 3.454E-03 Ω | | l [| Тъ., Т ъ., | |
| | Rth ₃ | 3.886E-02 Ω | | | Rth3 + Cth | 3 |
| | Rth ₄ | 1.014E-01 Ω | | | | |
| | Rth ₅ | 3.814E-01 Ω | | | | |
| | Rth ₆ | 8.981E-01 Ω | | | Rth4 + Cth. | 4 |
| | Rth ₇ | 1.681E-01 Ω | | ا ا | 丿 . 丁 · · · · · · · · · · · · · · · · · · | T |
| | Rth ₈ | 5.350E-03 Ω | (| (P) | | |
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| | | | | | Rth5 + Cth | 5 |
| | | | | | | |
| | | | | _ | | |
| | | | | | Rth ₆ + Cth | 2 |
| | | | | | J T G | 9 |
| | | | | | | |
| | | | | Г | 「 」 | |
| | | | | | Rth7 + Cth | 7 |
| | | | | | ┸┯┙ | |
| art: | BUK968R3-40E | | | | | |
| ait. | D01/300K3-40E | | | | Rth8 + Cth | Ω |
| ate: | 11/4/2013 | | | | 7 T Suit | 0 |
| lodel Rth | 1.60 K/W | | | | | |
| | 22 7411 | | | | t _{amb} | |
| | | | | V | 001aal76 | 8 |
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