

Thermal RC network (Foster)

SPICE thermal model

BUK7M22-80E

| Cth ₂ 1.8 Cth ₃ 2.4 Cth ₄ 2.9 Cth ₅ 1.6 Cth ₆ 6.2 Cth ₇ 8.2 Cth ₈ 2.08 | 17E-05 F 68E-04 F 44E-04 F 67E-03 F 98E-03 F 59E-03 F 21E-02 F | - | | 2.00 | K/W |
|---|--|---|--------|---|------------------|
| Cth ₂ 1.8 Cth ₃ 2.4 Cth ₄ 2.9 Cth ₅ 1.6 Cth ₆ 6.2 Cth ₇ 8.2 Cth ₈ 2.08 | 68E-04 F 44E-04 F 67E-03 F 98E-03 F 59E-03 F 21E-02 F | | | 5 | |
| Cth ₂ 1.8 Cth ₃ 2.4 Cth ₄ 2.9 Cth ₅ 1.6 Cth ₆ 6.2 Cth ₇ 8.2 Cth ₈ 2.08 | 68E-04 F 44E-04 F 67E-03 F 98E-03 F 59E-03 F 21E-02 F | | | 5 | |
| Cth3 2.4 Cth4 2.9 Cth5 1.6 Cth6 6.2 Cth7 8.2 Cth8 2.08 | 44E-04 F 67E-03 F 98E-03 F 59E-03 F 21E-02 F | | | 5 | |
| Cth ₄ 2.9 Cth ₅ 1.6 Cth ₆ 6.2 Cth ₇ 8.2 Cth ₈ 2.08 | 67E-03 F 98E-03 F 59E-03 F 21E-02 F | | | Rth ₁ Cth ₁ | |
| Cth ₅ 1.6 Cth ₆ 6.2 Cth ₇ 8.2 Cth ₈ 2.08 | 98E-03 F 59E-03 F 21E-02 F | | | Rth ₁ Cth ₁ | |
| Cth ₆ 6.2 Cth ₇ 8.2 Cth ₈ 2.08 | 59E-03 F 21E-02 F | | | | |
| Cth ₇ 8.2 Cth ₈ 2.08 | 21E-02 F | | | | |
| Cth ₈ 2.08 | | | | | |
| | 35E+02 F | | | 5 | |
| | | | | Rth ₂ = Cth ₂ | |
| | | | L | | |
| Rth ₁ 2.8 | 84E-03 Ω | | | | |
| Rth ₂ 5.9 | 70E-03 Ω | | | | |
| Rth ₃ 2.8 | 37E-02 Ω | | | Rth3 + Cth3 | |
| Rth ₄ 3.8 | 55E-02 Ω | | | _ | |
| Rth ₅ 5.0 | 33E-01 Ω | | | 5 | |
| Rth ₆ 1.15 | 54E+00 Ω | | | Rth4 = Cth4 | |
| | 26E-01 Ω | , | | | |
| Rth ₈ 3.1 | 09E-03 Ω | (| (P) | | |
| | | | \top | $\int_{\mathbf{B}_{\mathbf{b}_{\mathbf{c}}}} \mathbf{\perp}_{\mathbf{a}_{\mathbf{b}_{\mathbf{c}}}}$ | |
| | | | | Rth5 + Cth5 | |
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| | | | | Rth6 + Cth6 | |
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| 80E | | | | 5 | |
| | | | | Rth8 + Cth8 | |
| 6 | | | | | |
| K/W | | | | | |
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| | | | v | | } |
| | 80E 6 K/W | 6 | 6 | 6 KW | Cth ₈ |