

Thermal RC network (Foster)

SPICE thermal model

BUK7Y7R8-80E

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---|-------------|-----|-------------------|----------------|------|
| R _{th(j-mb)} | thermal resistance from junction to mounting base | | - | - | 0.63 | K/W |
| | | | | | | |
| | Cth ₁ | 7.578E-05 F | | Ŷ • | | |
| | Cth ₂ | 5.163E-04 F | | | \neg | |
| | Cth ₃ | 5.303E-04 F | | | | |
| | Cth ₄ | 4.594E-03 F | | | tth1 #Cth1 | |
| | Cth ₅ | 8.156E-03 F | | | | |
| | Cth ₆ | 1.766E-02 F | | | | |
| | Cth ₇ | 2.995E-01 F | | <u></u> Н | | |
| | | | | F | tth2 = Cth2 | |
| | | | | '년 | - | |
| | Rth ₁ | 1.090E-03 Ω | | | | |
| | Rth ₂ | 1.835E-03 Ω | | | tth3 📥 Cth3 | |
| | Rth ₃ | 1.563E-02 Ω | | ή., | | |
| | Rth ₄ | 2.408E-02 Ω | | _ | • | |
| | Rth ₅ | 1.003E-01 Ω | | | • | |
| | Rth ₆ | 4.443E-01 Ω | | | tthu = Cthu | |
| | Rth ₇ | 4.209E-02 Ω | لنز | 느 보 | | |
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| | | | | " | ths ‡Cths | |
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| | | | | | the \pm Cth6 | |
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| | | | | l f | _ | |
| | | | | P | tth7 🕇 Cth7 | |
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| _ | - | | | | | |
| Part: | BUK7Y7R8-80E | | | | | |
| N-4 | 05/4/2040 | | | | | |
| Date: | 25/1/2013 | | | _ | | |
| Rth | 0.63 K/W | | ' | ↓ t _{an} | sh | |
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