

Thermal RC network (Foster)

SPICE thermal model

BUK7K6R2-40E

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---------------------------------------------------------|-------------|-----|---------------|----------------------------------------------|------|
| R _{th(j-mb)} | thermal resistance from junction to mounting base | | - | - | 2.21 | K/W |
| | | | | | | |
| | Cth ₁ | 3.976E-05 F | | Ŷ ♠ | | |
| | Cth ₂ | 2.164E-04 F | | <u> </u> | \neg | |
| | Cth ₃ | 3.017E-04 F | | | | |
| | Cth ₄ | 1.378E-03 F | | | tth1 +Cth1 | |
| | Cth ₅ | 5.688E-03 F | | l $^{-}$ | T 4 | |
| | Cth ₆ | 6.507E-03 F | | _ | 1 | |
| | Cth ₇ | 1.055E-01 F | | l f | _ | |
| | | | | F | ith2 = Cth2 | |
| | | | | | _ | |
| | Rth ₁ | 2.295E-03 Ω | | _ | - | |
| | Rth_2 | 5.374E-03 Ω | | ▎ │₌ | tth3 📥 Cth3 | |
| | Rth ₃ | 3.333E-02 Ω | | | tths = Cth3 | |
| | Rth_4 | 6.878E-02 Ω | | _ | • | |
| | Rth ₅ | 2.139E-01 Ω | | | | |
| | Rth ₆ | 1.358E+00 Ω | | F | tth4 = Cth4 | |
| | Rth ₇ | 5.236E-01 Ω | لے | 느 보 | | |
| | | | (F | ') _ | | |
| | | | | 一 巾- | <u>,,, </u> | |
| | | | | " | ths = Cths | |
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| | | | | | the ‡Cth6 | |
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| | | | | l f | _ | |
| | | | | F | tth7 💳 Cth7 | |
| | | | | ᆫ | - | |
| | B | | | | | |
| Part: | BUK7K6R2-40E | | | | | |
| Data | 20/0/0040 | | | | | |
| Date: Rth | 20/3/2013 2.21 K/W | ı | | _ | | |
| IXUI | Z.Z I K/V | • | ' | Ų ten | — nh | |
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