

Thermal RC network (Foster)

SPICE thermal model

BUK7Y38-100E

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---|-------------|-----|-------------------|--------------|------|
| R _{th(j-mb)} | thermal resistance from junction to mounting base | | - | - | 1.58 | K/W |
| | | | | | | |
| | Cth ₁ | 2.916E-05 F | | ∱ ┪ | | |
| | Cth ₂ | 1.726E-04 F | ı | 1 1 | \neg | |
| | Cth ₃ | 2.092E-04 F | | 4 | | |
| | Cth ₄ | 1.786E-03 F | | | tth1 #Cth1 | |
| | Cth ₅ | 2.130E-03 F | | Ų́ | | |
| | Cth ₆ | 8.451E-03 F | | _ | 1 | |
| | Cth ₇ | 8.634E-02 F | | Щ | _ | |
| | | | | | tth2 = Cth2 | |
| | | | | 년 | - | |
| | Rth ₁ | 2.749E-03 Ω | | | | |
| | Rth ₂ | 5.716E-03 Ω | | | tths 📥 Cth3 | |
| | Rth ₃ | 4.154E-02 Ω | | <u></u> Г. | | |
| | Rth_4 | 5.616E-02 Ω | | | † | |
| | Rth ₅ | 3.287E-01 Ω | | 4 | • | |
| | Rth ₆ | 1.016E+00 Ω | | | tth4 = Cth4 | |
| | Rth ₇ | 1.301E-01 Ω | | _ | _ | |
| | | | (F | 'ノ - | _ | |
| | | | T | ĺ₽ | ths +Cths | |
| | | | | μ. | ~~ Tuis | |
| | | | | | 1 | |
| | | | | 4 | • | |
| | | | | | the ‡Cth6 | |
| | | | | 닌 | | |
| | | | | _ | - | |
| | | | | │ │ │ | Hh-1 | |
| | | | | U | tth7 = Cth7 | |
| | | | | Ĺ | - | |
| Part: | BUK7Y38-100E | | | | | |
| | 25 | | | | | |
| Date: | 25/1/2013 | | | | | |
| Rth | 1.58 K/W | ı | | | | |
| | | | | √ t _{an} | nb | |
| | | | | ~ | | |
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