

Thermal RC network (Foster)

SPICE thermal model

BUK954R4-80E

| Symbol R _{th(j-mb)} | thermal resistance from junction to mounting base Cth ₁ Cth ₂ Cth ₃ Cth ₄ | 2.727E-04 F 1.961E-03 F | - | Typ · | 0.43 | Wnit K/W |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------|---|-------------|-------------------------------------|-------------|
| | Cth ₂ Cth ₃ | 1.961E-03 F | | ۸ | | |
| | Cth ₂ Cth ₃ | 1.961E-03 F | | ^ | | |
| | Cth ₃ | | | 4 | ė. | |
| | | 1 472E 02 E | | | <u>tj</u> | |
| | Cth₄ | 1.472E-03 F | | | | |
| | | 5.515E-03 F | | | 1 _{D4b} , \perp | |
| | Cth ₅ | 1.889E-02 F | | | JRth₁ ‡Cth₁ | |
| | Cth ₆ | 3.370E-02 F | | | | |
| | Cth ₇ | 7.373E-01 F | | | ← | |
| | Cth ₈ | 2.812E+02 F | | | Rth2 + Cth2 | |
| | Rth ₁ | 3.269E-04 Ω | | | | |
| | Rth ₂ | 6.428E-04 Ω | | l r | | |
| | Rth ₃ | 7.505E-03 Ω | | | Rth3 + Cth3 | |
| | Rth ₄ | 1.817E-02 Ω | | | ┸╇┛ | |
| | Rth ₅ | 6.176E-02 Ω | | | | |
| | Rth ₆ | 2.678E-01 Ω | | | Rth4 + Cth4 | |
| | Rth ₇ | 7.287E-02 Ω | | | | |
| | Rth ₈ | 6.467E-04 Ω | | (P) | | |
| | | | | \bigvee , | | |
| | | | | | Rth5 + Cth5 | |
| | | | | ' | | |
| | | | | | | |
| | | | | | Rth ₆ + Cth ₆ | |
| | | | | | | |
| | | | | | | |
| | | | | Г | _ | |
| | | | | | Rth7 = Cth7 | |
| | | | | | ┸┯┛ | |
| Dort | DLUZ054D 4 005 | | | | | |
| Part: | BUK954R4-80E | | | | Rth8 + Cth8 | |
| Date: | 17/4/2013 | | | | J T 50118 | |
| Model Rth | 0.43 K/W | | | | | |
| | | | | | t _{amb} | |
| | | | | \Diamond | 001aal768 | ; |