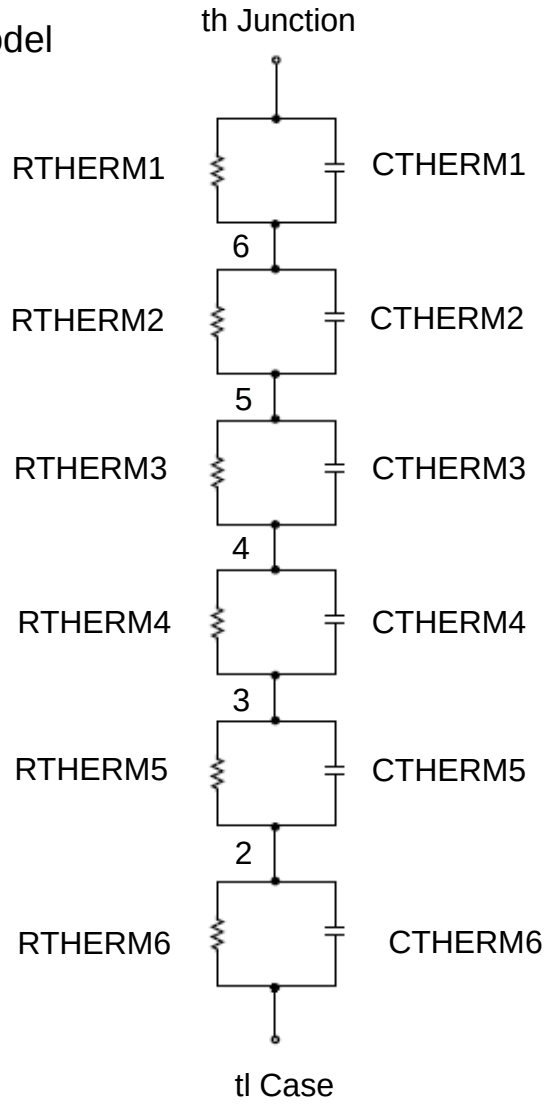
EPC2012 SPICE Thermal Model
$R_{\Theta JC}$ & $R_{\Theta JB}$

EPC2012 $R_{\Theta JC}$ SPICE Thermal Model

Typical $R_{\Theta JC}$ = 7.6° C/W

CTHERM1 th 6 = 0.0025
CTHERM2 6 5 = 0.0180
CTHERM3 5 4 = 0.0400
CTHERM4 4 3 = 0.0007
CTHERM4 3 2 = 0.00002
CTHERM5 2 tl = 0.00012

RTHERM1 th 6 = 3.510
RTHERM2 6 5 = 1.880
RTHERM3 5 4 = 1.320
RTHERM4 4 3 = 0.700
RTHERM5 3 2 = 0.040
RTHERM5 2 tl = 0.150



EPC2012 $R_{\Theta JB}$ SPICE Thermal Model

CTHERM1 th 5 = 0.180

CTHERM2 5 4 = 0.034

CTHERM3 4 3 = 0.016

CTHERM4 3 2 = 0.0058

CTHERM5 2 tl = 0.0018

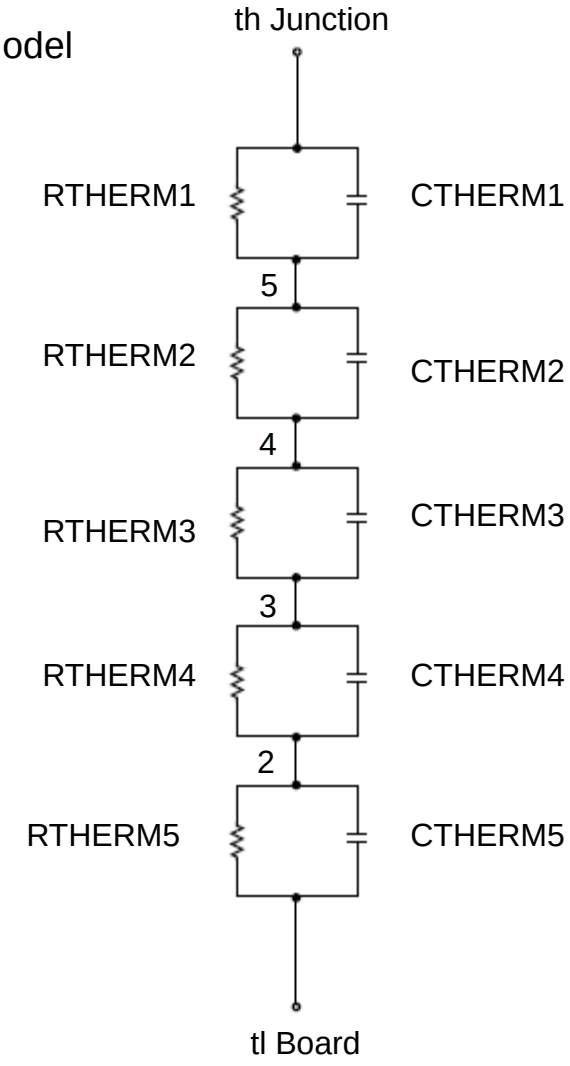
RTHERM1 th 5 = 15.995

RTHERM2 5 4 = 11.999

RTHERM3 4 3 = 6.001

RTHERM4 3 2 = 1.915

RTHERM5 2 tl = 0.090



EPC
EFFICIENT POWER CONVERSION

The end of the road for silicon…..

is the beginning of the eGaN FET journey!