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*March 21, 2023

*DD Vishay semiconduttori italiana SPA

*File Name: VS-40L15CT

*This document is intended as a SPICE modeling guideline and does not
*constitute a commercial product datasheet. Designers should refer to the
*appropriate datasheet of the same number for guaranteed specification
*limits.

*Model fit device at 25°C

*DEVICE=VS-40L15CT, D

.MODEL VS-40L15CT D

+ IS=611.08E-6

+ N=1.2381

+ RS=4.1186E-3

+ IKF=1.0000E3

+ XTI=2

+ CJO=5.8466E-9

+ M=.50432

+ VJ=.3905

+ ISR=454.54E-6

+ NR=4.9950

+ BV=18

+ IBV=10.000E-3

.ENDS

Thermal Model Subcircuit

.SUBCKT VS- 40L15CT 5 1

CTHERM1 5 4 2.48E-03

CTHERM2 4 3 1.90E-03

CTHERM3 3 2 2.36E-02

CTHERM4 2 1 4.01E-01

RTHERM1 5 4 4.62E-02

RTHERM2 4 3 1.58E-01

RTHERM3 3 2 6.53E-01

RTHERM4 2 1 6.39E-01

.ENDS VS- 40L15CT



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