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\*March 21, 2023

\*DD Vishay Semiconductors Italiana SPA

\*File Name: VS-20L15T

\*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-20L15T, D

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.MODEL VS-20L15T 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

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.ENDS

Thermal Model Subcircuit

.SUBCKT VS- 20L15T 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- 20L15T

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