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\*March 21, 2023

\*DD Vishay Semiconductors Italiana SPA

\*File Name: VS-65PQ015

\*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-65PQ015, D

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.MODEL VS-65PQ015 D

+ IS=214.01E-6

+ N=.89647

+ RS=3.1573E-3

+ IKF=1.0000E3

+ CJO=9.5826E-9

+ M=.66077

+ VJ=1.4872

+ ISR=1.0243E-3

+ NR=4.9950

+ BV=18

+ IBV=10.000E-3

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.ENDS

Thermal Model Subcircuit

.SUBCKT VS- 65PQ015 5 1

CTHERM1 5 4 3.75E-03

CTHERM2 4 3 1.97E-03

CTHERM3 3 2 3.54E-02

CTHERM4 2 1 6.89E-01

RTHERM1 5 4 8.05E-02

RTHERM2 4 3 5.79E-02

RTHERM3 3 2 3.52E-01

RTHERM4 2 1 3.09E-01

.ENDS VS- 65PQ015

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