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*July 15, 2022

*DD Vishay semiconduttori italiana SPA

*File Name: VS-ETL1506

*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-ETL1506,D

.MODEL ETL1506 D

+ IS=1.0000E-12

+ N=1.0425

+ RS=4.8304E-3

+ IKF=.44934

+ CJO=289.59E-12

+ M=.46928

+ VJ=.3905

+ ISR=196.17E-12

+ NR=4.9950

+ BV=640

+ IBV=100.00E-6

+ TT=143.21E-9

.ENDS

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Thermal Model Subcircuit

.SUBCKT VS- ETL1506 5 1

CTHERM1	5	4	6.80E-03
CTHERM2	4	3	3.53E-03
CTHERM3	3	2	2.14E-03
CTHERM4	2	1	2.88E-02

RTHERM1	5	4	5.42E-01
RTHERM2	4	3	8.53E-02
RTHERM3	3	2	5.34E-02
RTHERM4	2	1	7.19E-01

.ENDS VS- ETL1506



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