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\*Oct 08, 2021

\*DD Vishay Semiconductor Italiana SPA

\*Part Number: VS-8ESH01-02 serie\*

\*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.

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\* VS-8ESH01-02 D model ---> 25-125°C

.MODEL 8ESH01-02 D

+ IS=1.2011E-9

+ N=1.2128

+ RS=6.8635E-3

+ IKF=92.482E-3

+ CJO=765.02E-12

+ M=.53041

+ VJ=.3905

+ ISR=10.010E-21

+ NR=4.9950

+ BV=279.97

+ IBV=51.732E-3

+ TT=12.347E-9

+ XTI=-2.55

+ Tikf=0.044

+ Trs1=0.00058

\*+ Vp 0.1 LTspice only

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Thermal Model Subcircuit - TYP

.SUBCKT ZTH-8ESH01-02 Tj Ta

RTHERM1	Tj	1	1.652e-02
RTHERM2	1	2	8.258e-02
RTHERM3	2	3	1.017e+00
RTHERM4	3	Ta	5.351e-01

CTHERM1	Tj	1	1.163e-04
CTHERM2	1	2	1.836e-03
CTHERM3	2	3	5.450e-03
CTHERM4	3	Ta	7.487e-02

.ENDS ZTH-8ESH01-02



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