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- *January 10, 2025
- *DD Vishay Semiconductor Italiana SPA
- *File Name: VS-6ESH06.txt
- *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 @25°C-150°C
- * DEVICE=VS-6ESH06, Diode

.MODEL VS-6ESH06 D

- + IS= 2.549e-04
- + N = 4.672
- + RS= 7.164e-03
- + IKF= 7.67
- + CJO= 5.865e-11
- + M = 0.3
- + VJ = 0.716
- + ISR= 1.001e-20
- + NR= 4.995
- + BV=690.0
- + IBV= 5.00e-04
- + TT= 4.078e-08
- *Add subsequent parameters for temperature behavior:
- + XTI=24
- + TIKF=0.056
- + TRS1=0.0045
- *use follow TT and Vp with LTSpice at 25°C
- *+ TT=38.5e-9
- *+ Vp=0.45
- *DEVICE=VS-6ESH06, Diode
- *THERMAL MODEL SUBCIRCUIT
- *RC Foster model
- .SUBCKT zth-6ESH06_zth Tj Tc

RTHERM1 Ti 1 1.199e+00

RTHERM2	1	2	1.265e-02
RTHERM3	2	3	1.141e+00
RTHERM4	3	Tc	4.371e-02
CTHERM1	Tj	1	3.147e-02
CTHERM1 CTHERM2	Tj 1	1 2	3.147e-02 9.207e-05
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.ENDS zth-6ESH06_zth



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