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\*April 19, 2023  
\*DD Vishay Semiconductor Italiana SPA  
\*File Name: VS-8CVH01\_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.

\*Model fit device at 25°C per leg  
\*DEVICE=VS-8CVH01\_02 Serie, D

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```
.MODEL 8CVH01_02 Serie D
+ IS=100.00E-12
+ N=1.1599
+ RS=9.5216E-3
+ IKF=.12214
+ CJO=124.38E-12
+ M=.35436
+ VJ=.3905
+ ISR=150.79E-12
+ NR=4.9950
+ BV=240
+ IBV=100.00E-6
+ TT=13.639E-9
```

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.ENDS

Thermal Model Subcircuit

```
.SUBCKT VS- 8CVH01_02 Serie 5 1
CTHERM1 5 4 2.07E-04
CTHERM2 4 3 2.24E-03
CTHERM3 3 2 1.97E-02
CTHERM4 2 1 2.25E+00

R THERM1 5 4 5.51E-01
R THERM2 4 3 1.08E+00
R THERM3 3 2 8.70E-01
R THERM4 2 1 1.34E-04
```

.ENDS VS- 8CVH01\_02 Serie

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